MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.5

Printing	: 09/03/2023 Date of compilation: 04/05/2022 Version: 1
SEC	TION 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
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SEC	TION 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):

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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.

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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	2-[2-[2-(dodeciloxi)	etoxi]etoxi]etanol ⁽¹⁾	Self-classified	
	221-280-2 Non-applicable Non-applicable	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	<u>(</u>)	2.5 - <10 %
CAS: EC:	61789-40-0 263-058-8 Non-applicable 01-2120770501-61- XXXX	1-Propanaminium, 3 hydroxides, inner sa	-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., lts ⁽¹⁾		
		Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	A	1 - <2.5 %
CAS:	37310-83-1	9-Octadecen-1-ol, (Z	?)-, phosphate ⁽¹⁾	Self-classified	
	253-455-4 Non-applicable 01-2119980737-21- XXXX	Regulation 1272/2008	Eye Dam. 1: H318 - Danger		1 - <2.5 %
CAS:	615-50-9	2-methyl-p-phenyler	nediamine sulfate ⁽¹⁾	Self-classified	
	210-431-8 Non-applicable 01-2119962199-25- XXXX	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 - <2.5 %
CAS:	1310-58-3 215-181-3 019-002-00-8 I: 01-2119487136-33- XXXX	potassium hydroxide	(1)	ATP CLP00	
		Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger		<1 %
CAS:	2835-95-2	5-amino-o-cresol ⁽¹⁾		Self-classified	
	220-618-6 Non-applicable I: 01-2120766272-54- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	<u>()</u>	<1 %
CAS:	123-30-8	4-aminophenol ⁽¹⁾		ATP CLP00	
	204-616-2 612-128-00-X 01-2119535388-31- XXXX	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	<>	<1 %
CAS:	108-46-3	resorcinol ⁽¹⁾		ATP CLP00	
	203-585-2 604-010-00-1 01-2119480136-40- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning		<1 %
CAS:	155601-30-2	1-(2-hydroxyethyl)-:	1H-pyrazol-4,5-diyldiammoniumsulfate ⁽¹⁾	Self-classified	
	429-300-3 613-249-00-0 01-2120091758-40- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger		<1 %

⁽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:

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Identification	Specific concentration limit
	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
	% (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:

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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 °C

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		ational exposure lir	nits
resorcinol		IOELV (8h)	10 ppm	45 mg/m ³
CAS: 108-46-3	EC: 203-585-2	IOELV (STEL)		

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/m ³	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/m ³	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/m ³	Non-applicable	0,49 mg/m ³	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/m ³
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/m ³	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/m ³	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/m ³	132,8 mg/m ³

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/m ³	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/m ³
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/m ³	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/m ³	33 mg/m ³

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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
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		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)		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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Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1 SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued) PPE Labelling **CEN** Standard Remarks Pictogram Clean daily and disinfect periodically according to EN 166:2002 Panoramic glasses against the manufacturer's instructions. Use if there is a EN ISO 4007:2018 splash/projections. risk of splashing. Mandatory face protection E.- Body protection Pictogram PPE Labelling **CEN Standard** Remarks Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is Work clothing recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO CATI 13688:2013, EN 464:1994. Replace before any evidence of deterioration. For periods of prolonged exposure to the product for Anti-slip work shoes EN ISO 20347:2012 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 Standards Standards Emergency measure Emergency measure **0**+ ANSI Z358-1 DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 ISO 3864-1:2011, ISO 3864-4:2011 Emergency shower Eyewash stations 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: 0 % weight V.O.C. (Supply): V.O.C. density at 20 °C: 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 °C: Liquid Appearance: Emulsion Colour: Beige Odour: Characteristic Odour threshold: Non-applicable * Volatility: Boiling point at atmospheric pressure: 100 - 1320 °C Vapour pressure at 20 °C: 2326 Pa 12256,5 Pa (12,26 kPa) Vapour pressure at 50 °C:

- CONTINUED ON NEXT PAGE -

Non-applicable *

Evaporation rate at 20 °C:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECT	TION 9: PHYSIC	CAL AND CHEMICAL PROPERTIE	S (continued)
	Product descri	iption:	
	Density at 20 °C		1012,7 kg/m ³
	Relative density	at 20 °C:	0,975 - 1,015
	Dynamic viscosi	ty at 20 °C:	Non-applicable *
	Kinematic viscos	sity at 20 °C:	Non-applicable *
	Kinematic viscos	sity at 40 °C:	>20,5 mm²/s
	Concentration:		Non-applicable *
	pH:		9 - 10,5
	Vapour density a	at 20 ºC:	Non-applicable *
	Partition coeffici	ent n-octanol/water 20 °C:	Non-applicable *
	Solubility in wate	er at 20 ºC:	Non-applicable *
	Solubility proper	ties:	Non-applicable *
	Decomposition t	emperature:	Non-applicable *
	Melting point/fre	eezing point:	Non-applicable *
	Flammability:		
	Flash Point:		Non Flammable (>60 °C)
	Flammability (so	olid, gas):	Non-applicable *
	Autoignition terr	nperature:	327 °C
	Lower flammabi	lity limit:	Non-applicable *
	Upper flammabi	lity limit:	Non-applicable *
	Particle chara	cteristics:	
	Median equivale	nt diameter:	Non-applicable
9.2	Other informa	tion:	
	Information w	vith regard to physical hazard clas	
	Explosive proper		Non-applicable *
	Oxidising proper		Non-applicable *
	Corrosive to me		Non-applicable *
	Heat of combust		Non-applicable *
	components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety c		
	Surface tension		Non-applicable *
	Refraction index		Non-applicable *
	*Not relevant due to	o the nature of the product, not providing info	prmation property of its hazards.

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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SECTI	ON 10: STABILITY A	ND REACTIVITY (contin	ued)		
	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
10.5	Incompatible materia	lls:			
	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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Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1 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 2-methyl-p-phenylenediamine sulfate LD50 oral CAS: 615-50-9 LD50 dermal EC: 210-431-8 LC50 inhalation assium hydroxide

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

102 mg/kg

1100 mg/kg (ATEi)

11 mg/L (ATEi)

Genus

Rat

Acute Toxicity Estimate (ATE mix):

	ATE mix		
Dral 6614,69 mg/kg (Calculation method) 3		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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Identification		Concentration	Species	Genu
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	Crustac
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Alga
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	Crustac
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Alga
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustac
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	Crustac
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Alga

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	Degra	adability	Biodegradab	ility
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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Identification	Bioa	cumulation 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	Absorp	tion/desorption	Volat	ility
9-Octadecen-1-ol, (Z)-, phosphate	Кос	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	Кос	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	Кос	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	Кос	3.85	Henry	0E+0 Pa·m ³ /mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Кос	10	Henry	1,001E-5 Pa·m³/mo
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

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

Safety data sheet This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

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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.

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:

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SECTION 16: OTHER I	NFORMATION (continued)	
Acute Tox. 4: H302 Acute Tox. 4: H302 Acute Tox. 4: H302 Acute Tox. 4: H312 Aquatic Acute 1: H4 Aquatic Chronic 1: I Aquatic Chronic 2: I Aquatic Chronic 3: I Eye Dam. 1: H318 Eye Irrit. 2: H319 - Muta. 2: H341 - Sus Skin Corr. 1A: H314 Skin Irrit. 2: H315 - Skin Sens. 1: H317 Skin Sens. 1A: H311	 Toxic if swallowed. Harmful if swallowed. H332 - Harmful if swallowed or if in +H332 - Harmful in contact with skin 400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long H411 - Toxic to aquatic life with long H412 - Harmful to aquatic life with long H412 - Harmful to aquatic life with long Causes serious eye damage. Causes serious eye irritation. spected of causing genetic defects. Causes skin irritation. May cause an allergic skin reaction 	or if inhaled. long lasting effects. lasting effects. ng lasting effects. damage. n.
	, , , , , , , , , , , , , , , , , , , ,	h prolonged or repeated exposure (Oral).
Classification pro Skin Sens. 1A: Calco Aquatic Chronic 3: C Skin Irrit. 2: Calcula	ulation method Calculation method ation method	
Eye Irrit. 2: Calculat		
		isks for staff using this product and to facilitate their comprehension and belon the product.
Principal bibliogra http://echa.europa. http://eur-lex.europ	aphical sources: eu	
Abbreviations and	d acronyms:	
IMDG: International IATA: International ICAO: International COD: Chemical Oxy BOD5: 5day biocher BCF: Bioconcentrati LD50: Lethal Dose 5 LC50: Lethal Concer EC50: Effective con LogPOW: Octanolwa Koc: Partition coeffic UFI: unique formula	I maritime dangerous goods code Air Transport Association Civil Aviation Organisation rgen Demand mical oxygen demand on factor 50 ntration 50 centration 50 ater partition coefficient cient of organic carbon	carriage of dangerous goods by road

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.

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