

Safety data sheet

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

PF028041_IT21
CI027590_IT21

Moroccanoil Color Rhapsody Permanent Ultimates Cream 7.00-7NN Intense Medium Blonde

Printing: 18/12/2023

Date of compilation: 18/12/2023

Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** PF028041_IT21
CI027590_IT21
Moroccanoil Color Rhapsody Permanent Ultimates Cream 7.00-7NN Intense Medium Blonde
- 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 Corr. 1: Skin corrosion, Category 1, H314
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.
Skin Corr. 1: H314 - Causes severe skin burns and eye damage.
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/face protection/protective clothing/respiratory protection/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:**
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**
ammonia, anhydrous (CAS: 7664-41-7); potassium hydroxide (CAS: 1310-58-3); 2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

27,82 % (oral), 37,09 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous 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: 01-211948876-14-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: 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: 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: 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: 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: 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  	

⁽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

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	LD50 oral	102 mg/kg (ATEi)	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	LD50 oral	200 mg/kg (ATEi)	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	LD50 oral	388 mg/kg (ATEi)	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	3 mg/L (ATEi)	

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:

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SECTION 5: FIREFIGHTING MEASURES (continued)

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 spilled 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 °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

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/m ³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m ³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m ³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	313 mg/m ³	155 mg/m ³
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
	Inhalation	47,6 mg/m ³	36 mg/m ³	47,6 mg/m ³	14 mg/m ³
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m ³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,22 mg/m ³	Non-applicable
Tetradecanol CAS: 112-72-1 EC: 204-000-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	313 mg/m ³	178 mg/m ³
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
	Inhalation	2,75 mg/m ³	Non-applicable	0,49 mg/m ³	Non-applicable
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,93 mg/m ³	Non-applicable
resorcinol CAS: 108-46-3 EC: 203-585-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5,6 mg/m ³	132,8 mg/m ³

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 CAS: 112-53-8 EC: 203-982-0	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	77 mg/m ³	Non-applicable
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
	Inhalation	23,8 mg/m ³	7,2 mg/m ³	23,8 mg/m ³	2,8 mg/m ³
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m ³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,45 mg/m ³	Non-applicable
Tetradecanol CAS: 112-72-1 EC: 204-000-3	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	77 mg/m ³	Non-applicable
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,87 mg/m ³	Non-applicable
resorcinol CAS: 108-46-3 EC: 203-585-2	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,394 mg/m ³	33 mg/m ³

PNEC:

Identification				
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	STP	Non-applicable	Fresh water	0,001 mg/L
	Soil	0,132 mg/kg	Marine water	0 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	STP	Non-applicable	Fresh water	0,001 mg/L
	Soil	Non-applicable	Marine water	0,001 mg/L
	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	STP	300 mg/L	Fresh water	0,0032 mg/L
	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
Tetradecanol CAS: 112-72-1 EC: 204-000-3	STP	Non-applicable	Fresh water	0,001 mg/L
	Soil	0,428 mg/kg	Marine water	0 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	STP	0,177 mg/L	Fresh water	0,0126 mg/L
	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	STP	0,32 mg/L	Fresh water	0,249 mg/L
	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 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	 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)	 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	 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	 CAT III	EN 13034:2005+A1:2009 EN 168:2002 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 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	 CAT III	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

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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 °C:	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 °C:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 °C
Vapour pressure at 20 °C:	2288 Pa
Vapour pressure at 50 °C:	12056,01 Pa (12,06 kPa)
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	Non-applicable *
Relative density at 20 °C:	0,975 - 1,015
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	11 - 12
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 °C
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 °C: 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 from Safety Data Sheet.

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	Precaution	Not applicable	Not applicable

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 (CO₂), 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.

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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: 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: resorcinol (3); Sodium sulphite (3); Eugenol (3); Coumarin (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 CAS: 615-50-9 EC: 210-431-8	LD50 oral	102 mg/kg (ATEi)	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	LD50 oral	200 mg/kg (ATEi)	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	LD50 oral	388 mg/kg (ATEi)	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	LD50 oral	26530 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Tetradecanol CAS: 112-72-1 EC: 204-000-3	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	3 mg/L (ATEi)	
resorcinol CAS: 108-46-3 EC: 203-585-2	LD50 oral	310 mg/kg	Rat
	LD50 dermal	2830 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5051,03 mg/kg (Calculation method)	27,82 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	78,64 mg/L (4 h) (Calculation method)	37,09 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not 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

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	LC50	1,01 mg/L (96 h)	Pimephales promelas
	EC50	320 mg/L (48 h)	Daphnia magna
	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	LC50	>0.1 - 1 mg/L (96 h)	Fish
	EC50	>0.1 - 1 mg/L (48 h)	Crustacean
	EC50	>0.1 - 1 mg/L (72 h)	Algae
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	LC50	80 mg/L (48 h)	Gambusia affinis
	EC50	Non-applicable	
	EC50	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	LC50	Non-applicable	
	EC50	Non-applicable	
	EC50	30 mg/L (72 h)	N/A
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	LC50	1,08 mg/L (96 h)	Brachydanio rerio
	EC50	1,19 mg/L (48 h)	Daphnia magna
	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	LC50	58 mg/L (96 h)	N/A
	EC50	0,6 mg/L (48 h)	Daphnia magna
	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata
Alcohols, C12-13, ethoxylated CAS: 66455-14-9 EC: 500-165-3	LC50	Non-applicable	
	EC50	Non-applicable	
	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata

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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
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	
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	BOD5	Non-applicable	Concentration	6 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	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
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 °C)	Moist soil	Yes
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	
Tetradecanol CAS: 112-72-1 EC: 204-000-3	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	1,198E-2 N/m (252,68 °C)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	Koc	17.3	Henry	Non-applicable
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol CAS: 608-25-3 EC: 210-155-8	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol CAS: 108-46-3 EC: 203-585-2	Koc	10	Henry	1,001E-5 Pa·m³/mol
	Conclusion	High	Dry soil	No
	Surface tension	1,915E-2 N/m (318,43 °C)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not 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	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP8 Corrosive

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-hazardous 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 2023 and RID 2023:

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SECTION 14: TRANSPORT INFORMATION (continued)

- 14.1 UN number or ID number:** UN3267
14.2 UN proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium hydroxide)
14.3 Transport hazard class(es): 8
Labels: 8
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Special regulations: 274
Tunnel restriction code: 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:** UN3267
14.2 UN proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium hydroxide)
14.3 Transport hazard class(es): 8
Labels: 8
14.4 Packing group: II
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 274
EmS Codes: F-A, S-B
Physico-Chemical properties: see section 9
Limited quantities: 1 L
Segregation group: SGG18
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:** UN3267
14.2 UN proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium hydroxide)
14.3 Transport hazard class(es): 8
Labels: 8
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

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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:

H412: Harmful to aquatic life with long lasting effects.

H317: May cause an allergic skin reaction.

H314: Causes severe skin burns and eye damage.

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:

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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. 1A: H314 - Causes severe skin burns and eye damage.
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:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Corr. 1: 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.

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