

PF031831_IT21
CI030708_IT21
DANGER JONES EPILOGUE PERMANENT COLOR 4-52

Printing: 05/06/2025 Date of compilation: 05/06/2025 Version: 1

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

1.1 Product identifier: PF031831_IT21
CI030708_IT21
DANGER JONES EPILOGUE PERMANENT COLOR 4-52

Other means of identification:

Not relevant

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

Relevant uses (Consumer use): HAIR COLOR TINT
Relevant uses (Professional users): 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:

Danger Jones
Los Angeles, CA

www.dangerjonescreative.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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411

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 2: H411 - Toxic 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 vapours

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, 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidiammoniumsulfate, (R*,R*)- α ,4-dimethyl- α -(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

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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):

26,19 % (oral), 39,29 % (dermal), 33,64 % (lc50 inhalation vapour) 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:**

Not relevant

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: Not relevant 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: 61789-40-0 EC: 263-058-8 Index: Not relevant REACH: 01-2119770501-61-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: 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: Not relevant 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: Not relevant REACH: 01-2119485910-33-XXXX	Tetradecanol ⁽¹⁾	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Aquatic Chronic 1: H410; Eye Irrit. 2: H319 - Warning  	
CAS: 591-27-5 EC: 209-711-2 Index: Not relevant 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: 9004-98-2 EC: 500-016-2 Index: Not relevant REACH: 01-2120139360-66-XXXX	(Z)-9-Octadecen-1-ol ethoxylated ⁽¹⁾	Self-classified	1 - <2,5 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; 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-diildiammoniumsulfate ⁽¹⁾	Self-classified	<1 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; 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   	

⁽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

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Safety data sheet

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 141-43-5 EC: 205-483-3 Index: 603-030-00-8 REACH: 01-2119486455-28-XXXX	2-aminoethanol ⁽²⁾ ATP CLP00	<1 %
	Regulation 1272/2008 Acute Tox. 4: H302+H312+H332; Skin Corr. 1B: H314 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Not relevant REACH: Not relevant	(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

⁽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
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	% (w/w) >=100: Press. Gas - H280
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	% (w/w) >=5: STOT SE 3 - H335

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	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	10,754 mg/L *	
3-aminophenol CAS: 591-27-5 EC: 209-711-2	LD50 oral	693 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rabbit
	LC50 inhalation vapour	Not relevant	
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	LD50 oral	Not relevant	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	3 mg/L	
4-aminophenol CAS: 123-30-8 EC: 204-616-2	LD50 oral	393 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	15,504 mg/L *	
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	LD50 oral	1089 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

* Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

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 SDS.

By eye contact:

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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:

Not relevant

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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

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)

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

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

Keep away from sources of ignition, heat, open flame, or hot surfaces. No smoking. Close the valve after each use and when it has been emptied. Replace all valve protections as soon as the container has been disconnected from the equipment. Use appropriate means to move bottles: do not drag them, roll them, make them fall, etc. Avoid back-suction of water into the container. Avoid feedback into the container. Purge air from the system before introducing the gas. Use only equipment with the appropriate specifications, which are suitable for this product, as well as its supply temperature and pressure. In case of doubt, contact your gas supplier. Ensure adequate ventilation. Use the necessary personal protective equipment. Ensure the existence and implementation of safe work procedures and comply with the safe handling procedures for chemicals. Comply with the essential safety requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum provisions for the protection of the safety and health of workers under the criteria of choice of Directive 1999/92/EC (ATEX 137). See section 10 for conditions and materials to 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.- Specific storage requirements

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):

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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		
	IOELV (8h)	1 ppm	2,5 mg/m ³
2-aminoethanol ⁽¹⁾ CAS: 141-43-5 EC: 205-483-3	IOELV (STEL)	3 ppm	7,6 mg/m ³
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m ³
	IOELV (STEL)	50 ppm	36 mg/m ³

⁽¹⁾ Skin**DNEL (Workers):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	89 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	313 mg/m ³	155 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	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2,33 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8,22 mg/m ³	Not relevant
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	6,8 mg/kg	Not relevant	6,8 mg/kg	Not relevant
	Inhalation	47,6 mg/m ³	36 mg/m ³	47,6 mg/m ³	14 mg/m ³
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,1 mg/kg	Not relevant
	Inhalation	2,75 mg/m ³	Not relevant	0,49 mg/m ³	Not relevant
Tetradecanol CAS: 112-72-1 EC: 204-000-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	89 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	313 mg/m ³	178 mg/m ³
3-aminophenol CAS: 591-27-5 EC: 209-711-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,493 mg/m ³	Not relevant
(Z)-9-Octadecen-1-ol ethoxylated CAS: 9004-98-2 EC: 500-016-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2080 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	294 mg/m ³	Not relevant
4-aminophenol CAS: 123-30-8 EC: 204-616-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2,1 mg/m ³	Not relevant
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	3 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1 mg/m ³	0,51 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	Oral	Not relevant	Not relevant	44,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	44,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	77 mg/m ³	Not relevant
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	Not relevant	Not relevant	0,833 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,833 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,45 mg/m ³	Not relevant
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	Oral	6,8 mg/kg	Not relevant	6,8 mg/kg	Not relevant
	Dermal	68 mg/kg	Not relevant	68 mg/kg	Not relevant
	Inhalation	23,8 mg/m ³	7,2 mg/m ³	23,8 mg/m ³	2,8 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol CAS: 112-72-1 EC: 204-000-3	Oral	Not relevant	Not relevant	44,4 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	44,4 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	77 mg/m ³	Not relevant
3-aminophenol CAS: 591-27-5 EC: 209-711-2	Oral	Not relevant	Not relevant	0,05 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,298 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,087 mg/m ³	Not relevant
(Z)-9-Octadecen-1-ol ethoxylated CAS: 9004-98-2 EC: 500-016-2	Oral	Not relevant	Not relevant	25 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1250 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	87 mg/m ³	Not relevant
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	Oral	Not relevant	Not relevant	1,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,18 mg/m ³	0,28 mg/m ³

PNEC:

Identification	STP	Soil	Intermittent	Oral	Fresh water	Marine water	Sediment (Fresh water)	Sediment (Marine water)
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	STP	Not relevant	Fresh water	0,001 mg/L				
	Soil	0,132 mg/kg	Marine water	0 mg/L				
	Intermittent	Not relevant	Sediment (Fresh water)	0,666 mg/kg				
	Oral	Not relevant	Sediment (Marine water)	0,067 mg/kg				
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	Not relevant	Sediment (Marine water)	0,0219 mg/kg				
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	STP	Not relevant	Fresh water	0,001 mg/L				
	Soil	Not relevant	Marine water	0,001 mg/L				
	Intermittent	0,007 mg/L	Sediment (Fresh water)	Not relevant				
	Oral	Not relevant	Sediment (Marine water)	Not relevant				
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	Not relevant	Sediment (Marine water)	0,00112 mg/kg				
Tetradecanol CAS: 112-72-1 EC: 204-000-3	STP	Not relevant	Fresh water	0,001 mg/L				
	Soil	0,428 mg/kg	Marine water	0 mg/L				
	Intermittent	Not relevant	Sediment (Fresh water)	2,14 mg/kg				
	Oral	Not relevant	Sediment (Marine water)	0,214 mg/kg				
3-aminophenol CAS: 591-27-5 EC: 209-711-2	STP	96,19 mg/L	Fresh water	0,001 mg/L				
	Soil	0,00193 mg/kg	Marine water	0,0001 mg/L				
	Intermittent	0,00267 mg/L	Sediment (Fresh water)	0,0126 mg/kg				
	Oral	Not relevant	Sediment (Marine water)	0,00126 mg/kg				
(Z)-9-Octadecen-1-ol ethoxylated CAS: 9004-98-2 EC: 500-016-2	STP	10 mg/L	Fresh water	0,002 mg/L				
	Soil	1 mg/kg	Marine water	0,002 mg/L				
	Intermittent	0,1 mg/L	Sediment (Fresh water)	86,9 mg/kg				
	Oral	Not relevant	Sediment (Marine water)	86,9 mg/kg				
4-aminophenol CAS: 123-30-8 EC: 204-616-2	STP	0,265 mg/L	Fresh water	0,005 mg/L				
	Soil	0,001 mg/kg	Marine water	0 mg/L				
	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg				
	Oral	Not relevant	Sediment (Marine water)	0 mg/kg				
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	STP	100 mg/L	Fresh water	0,07 mg/L				
	Soil	1,29 mg/kg	Marine water	0,007 mg/L				
	Intermittent	0,028 mg/L	Sediment (Fresh water)	0,357 mg/kg				
	Oral	Not relevant	Sediment (Marine water)	0,036 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 (Filter type: A)		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

Not relevant

D.- Eye and face protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		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			Replace before any evidence of deterioration. 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		EN ISO 20347:2022	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

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:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0,1 % weight
V.O.C. density at 20 °C:	0,99 kg/m ³ (0,99 g/L)
Average carbon number:	2,03
Average molecular weight:	61,82 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 °C:	Liquid
Appearance:	Cream
Colour:	Light yellow
Odour:	Undefined
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	100 - 360 °C
Vapour pressure at 20 °C:	2285 Pa
Vapour pressure at 50 °C:	12041,62 Pa (12,04 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	989,5 kg/m ³
Relative density at 20 °C:	0,989
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	>20,5 mm ² /s
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	192 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
-----------------------------	----------------

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

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 °C: Not relevant *

Refraction index: Not relevant *

*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
Precaution	Precaution	Precaution	Precaution	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 (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: 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: 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:

Not relevant

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 CAS: 61789-40-0 EC: 263-058-8	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
	LC50 inhalation vapour		
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	LD50 oral	26530 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
	LC50 inhalation dust		
Tetradecanol CAS: 112-72-1 EC: 204-000-3	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
	LC50 inhalation dust		
(Z)-9-Octadecen-1-ol ethoxylated CAS: 9004-98-2 EC: 500-016-2	LD50 oral	2760 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
	LC50 inhalation dust		
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	LD50 oral	102 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation dust		
3-aminophenol CAS: 591-27-5 EC: 209-711-2	LD50 oral	693 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rabbit
	LC50 inhalation		
	LC50 inhalation dust		

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	LD50 oral		
	LD50 dermal		
	LC50 inhalation	700 mg/L	
4-aminophenol CAS: 123-30-8 EC: 204-616-2	LD50 oral	393 mg/kg	Rat
	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation dust		
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	LD50 oral	1089 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5202,6 mg/kg (Calculation method)	26,19 %
Dermal	29037,61 mg/kg (Calculation method)	39,29 %
LC50 inhalation vapour	98,92 mg/L (4 h) (Calculation method)	33,64 %

11.2 Information on other hazards:**Endocrine disrupting properties**

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

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Toxic 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	Fish
	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
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	Not relevant		
	EC50	Not relevant		
	EC50	30 mg/L (72 h)	N/A	Algae
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
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
Tetradecanol CAS: 112-72-1 EC: 204-000-3	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
3-aminophenol CAS: 591-27-5 EC: 209-711-2	LC50	121 mg/L (96 h)	Oryzias latipes	Fish
	EC50	3,6 mg/L (48 h)	QSAR	Fish
	EC50	62 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(Z)-9-Octadecen-1-ol ethoxylated CAS: 9004-98-2 EC: 500-016-2	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate CAS: 155601-30-2 EC: 429-300-3	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
	EC50	11,12 mg/L (48 h)	N/A	Crustacean
	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol CAS: 123-30-8 EC: 204-616-2	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	LC50	349 mg/L (96 h)	Cyprinus carpio	Fish
	EC50	65 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	22 mg/L (72 h)	Scenedesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol CAS: 515-69-5 EC: 208-205-9	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	NOEC	0,26 mg/L	Pimephales promelas	Fish
	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
	NOEC	0,9 mg/L	Daphnia magna	Crustacean
3-aminophenol CAS: 591-27-5 EC: 209-711-2	NOEC	50 mg/L	Oryzias latipes	Fish
	NOEC	0,05 mg/L	Daphnia magna	Crustacean
4-aminophenol CAS: 123-30-8 EC: 204-616-2	NOEC	0,049 mg/L	Oryzias latipes	Fish
	NOEC	0,206 mg/L	Daphnia magna	Crustacean
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	NOEC	1,24 mg/L	Oryzias latipes	Fish
	NOEC	0,85 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	Not relevant	Concentration	6 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	17 %
3-aminophenol CAS: 591-27-5 EC: 209-711-2	BOD5	Not relevant	Concentration	2 mg/L
	COD	Not relevant	Period	5 days
	BOD5/COD	Not relevant	% Biodegradable	46 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate CAS: 155601-30-2 EC: 429-300-3	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	33 %
4-aminophenol CAS: 123-30-8 EC: 204-616-2	BOD5	Not relevant	Concentration	200 mg/L
	COD	Not relevant	Period	5 days
	BOD5/COD	Not relevant	% Biodegradable	87 %
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	BOD5	Not relevant	Concentration	20 mg/L
	COD	Not relevant	Period	21 days
	BOD5/COD	Not relevant	% Biodegradable	90 %

12.3 Bioaccumulative potential:**Substance-specific information:**

Identification	Bioaccumulation potential	
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	BCF	180
	Pow Log	5.13
	Potential	High

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Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	BCF	71
	Pow Log	
	Potential	Moderate
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate CAS: 155601-30-2 EC: 429-300-3	BCF	
	Pow Log	-1.75
	Potential	
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	BCF	3
	Pow Log	-1.31
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol CAS: 112-53-8 EC: 203-982-0	Koc	15000	Henry	2,25 Pa·m ³ /mol
	Conclusion	Immobile	Dry soil	Not relevant
	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 CAS: 61789-40-0 EC: 263-058-8	Koc	648	Henry	Not relevant
	Conclusion	Moderate	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
2-methyl-p-phenylenediamine sulfate CAS: 615-50-9 EC: 210-431-8	Koc	17.3	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Tetradecanol CAS: 112-72-1 EC: 204-000-3	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	1,198E-2 N/m (252,68 °C)	Moist soil	Not relevant
3-aminophenol CAS: 591-27-5 EC: 209-711-2	Koc	72	Henry	1,12E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
4-aminophenol CAS: 123-30-8 EC: 204-616-2	Koc	3.85	Henry	0E+0 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	Koc	0.27	Henry	3,7E-5 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	5,025E-2 N/m (25 °C)	Moist soil	Not relevant

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

Waste management (disposal and evaluation):

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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:



- | | |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| 14.1 UN number or ID number: | UN3082 |
| 14.2 UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodecan-1-ol) |
| 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: | Not relevant |

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



- | | |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| 14.1 UN number or ID number: | UN3082 |
| 14.2 UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodecan-1-ol) |
| 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: | Not relevant |
| 14.7 Maritime transport in bulk according to IMO instruments: | Not relevant |

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:

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SECTION 14: TRANSPORT INFORMATION (continued)

- 14.1 UN number or ID number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodecan-1-ol)
- 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:** Not relevant

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

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.:

Not relevant

Texts of the legislative phrases mentioned in section 2:

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SECTION 16: OTHER INFORMATION (continued)

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic 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+H312 - Harmful if swallowed or in contact with skin.

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or 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 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 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 -