


GARDX PROTECT WASH & WAX

Date of compilation: 23/11/2022 Revised: 28/07/2025 Version: 5 (Replaced 4)

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

- 1.1 Product identifier:** GARDX PROTECT WASH & WAX
- Other means of identification:**
- UFI:** AP21-702Y-200X-4CVA
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant uses (Consumer use): Bodywork cleaning
Relevant uses (Professional users): Bodywork cleaning
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:**
- GARDX INTERNATIONAL LTD
LAKE HOUSE, 2 PORT WAY, PORT SOLENT,
PO6 4TY PORTSMOUTH - UNITED KINGDOM
Phone: +44 (0)1243 376426
product@gardxgroup.co.uk
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- AUTOMOTOSOL S.R.O
RYBNÁ 716/24
PRAHA 1
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CZECH REPUBLIC
- +420 222 703288
- 1.4 Emergency telephone number:** CCN: 1012486. For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call Chemtrec @ +44 2038850382. Emergency medical information: (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Members of the public Number (8am-10pm): +353 (0)1 809 2166. Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

SECTION 2: HAZARDS IDENTIFICATION **

- 2.1 Classification of the substance or mixture:**
- CLP Regulation (EC) No 1272/2008:**
- Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
- Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Danger
- 
- Hazard statements:**
- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
- Precautionary statements:**

** Changes with regards to the previous version

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

Contains 2-methylisothiazol-3(2H)-one, 1,2-benzisothiazol-3(2H)-one, Isoeugenol.

Substances that contribute to the classification

Sodium dodecylbenzenesulfonate (CAS: 25155-30-0)

Labelling for contents:

Component	Concentration interval
Non-ionic surfactants	% (w/w) < 5
Amphoteric surfactants	% (w/w) < 5
Anionic surfactants	5 <= % (w/w) < 15
perfumes	

Allergenic fragrances: benzyl alcohol (BENZYL ALCOHOL).

Preservation agents: 1,2-benzisothiazol-3(2H)-one (BENZISOTHIAZOLINONE), 2-methylisothiazol-3(2H)-one (METHYLISOTHIAZOLINONE), N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (LAURYLAMINE DIPROPYLENEDIAMINE), Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (METHYLCHLOROISOTHIAZOLINONE / METHYLISOTHIAZOLINONE).

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

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

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Not available

3.2 Mixture:

Chemical description: Mixture based on anionic, nonionic and amphoteric surfactants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 25155-30-0 EC: 246-680-4 Index: Not available REACH: 01-2120088038-51-XXXX	Sodium dodecylbenzenesulfonate⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	3 - <10 %
CAS: Not available EC: 931-329-6 Index: Not available REACH: 01-2119490100-53-XXXX	Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl)⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	1 - <3 %
CAS: 68891-38-3 EC: 500-234-8 Index: Not available REACH: 01-2119488639-16-XXXX	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	1 - <3 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

⁽²⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Identification	Chemical name/Classification	Concentration
CAS: 97862-59-4 EC: 931-296-8 Index: Not available REACH: 01-2119488533-30-XXXX	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts⁽¹⁾ Self-classified	1 - <3 %
	Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 111-42-2 EC: 203-868-0 Index: 603-071-00-1 REACH: 01-2119488930-28-XXXX	2,2'-iminodiethanol⁽²⁾ ATP CLP00	<1 %
	Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315; STOT RE 2: H373 - Danger	
CAS: 100-51-6 EC: 202-859-9 Index: 603-057-00-5 REACH: 01-2119492630-38-XXXX	benzyl alcohol⁽²⁾ Self-classified	<1 %
	Regulation 1272/2008 Acute Tox. 4: H302+H332; Eye Irrit. 2: H319 - Warning	
CAS: 56-81-5 EC: 200-289-5 Index: Not available REACH: 01-2119471987-18-XXXX	Glycerol⁽²⁾ Not classified	<1 %
	Regulation 1272/2008	
CAS: 2682-20-4 EC: 220-239-6 Index: 613-326-00-9 REACH: 01-2120764690-50-XXXX	2-methylisothiazol-3(2H)-one⁽¹⁾ ATP ATP13	<1 %
	Regulation 1272/2008 Acute Tox. 2: H330; Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1A: H317; EUH071 - Danger	
CAS: 2634-33-5 EC: 220-120-9 Index: 613-088-00-6 REACH: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one⁽¹⁾ ATP ATP21	<1 %
	Regulation 1272/2008 Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	
CAS: 97-54-1 EC: 202-590-7 Index: 604-094-00-X REACH: Not available	Isoeugenol⁽¹⁾ Self-classified	<1 %
	Regulation 1272/2008 Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317; STOT SE 3: H335 - Warning	
CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH: 01-2119462829-23-XXXX	Citral⁽²⁾ Self-classified	<1 %
	Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; 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⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	M-factor	
	2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	Acute
	Chronic	1

Identification	Specific concentration limit
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	% (w/w) >=10: Eye Dam. 1 - H318 5<= % (w/w) <10: Eye Irrit. 2 - H319
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	% (w/w) >=0.0015: Skin Sens. 1A - H317
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	% (w/w) >=0.036: Skin Sens. 1A - H317
Isoeugenol CAS: 97-54-1 EC: 202-590-7	% (w/w) >=0.01: Skin Sens. 1A - H317

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:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Identification	Acute toxicity		Genus
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	LD50 oral	1600 mg/kg	Rat
	LD50 dermal	Not available	
	LC50 inhalation vapour	Not available	
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	LD50 oral	1620 mg/kg	Rat
	LD50 dermal	Not available	
	LC50 inhalation vapour	15.192 mg/L *	
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	LD50 oral	Not available	
	LD50 dermal	Not available	
	LC50 inhalation vapour	0.7 mg/L *	
Sodium dodecylbenzenesulfonate CAS: 25155-30-0 EC: 246-680-4	LD50 oral	500 mg/kg	
	LD50 dermal	Not available	
	LC50 inhalation vapour	Not available	
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal	Not available	
	LC50 inhalation vapour	0.5 mg/L	
Isoeugenol CAS: 97-54-1 EC: 202-590-7	LD50 oral	1500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	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.

** Changes with regards to the previous version

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:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

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.

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SECTION 5: FIREFIGHTING MEASURES (continued)**Unsuitable extinguishing media:**

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. 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 spill 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:

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

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.

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SECTION 7: HANDLING AND STORAGE (continued)

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.: 4 °C

Maximum 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 assessed in the workplace:

2021 Code of Practice for the Chemical Agents Regulations:

Identification	Occupational exposure limits		
	OEL (8h)	OEL (15 min)	
Benzyl acetate CAS: 140-11-4 EC: 205-399-7	OEL (8h)	10 ppm	
	OEL (15 min)		
Citral CAS: 5392-40-5 EC: 226-394-6	OEL (8h)	5 ppm	
	OEL (15 min)		
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	OEL (8h)		1 mg/m ³
	OEL (15 min)		
Glycerol CAS: 56-81-5 EC: 200-289-5	OEL (8h)		10 mg/m ³
	OEL (15 min)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sodium dodecylbenzenesulfonate CAS: 25155-30-0 EC: 246-680-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	80 mg/kg	Not relevant	57.2 mg/kg	Not relevant
	Inhalation	52 mg/m ³	52 mg/m ³	52 mg/m ³	52 mg/m ³
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4.16 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	73.4 mg/m ³	Not relevant
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2750 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	175 mg/m ³	Not relevant
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	12.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	44 mg/m ³	Not relevant
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.13 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.75 mg/m ³	0.5 mg/m ³
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	40 mg/kg	Not relevant	8 mg/kg	Not relevant
	Inhalation	110 mg/m ³	Not relevant	22 mg/m ³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Glycerol CAS: 56-81-5 EC: 200-289-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	56 mg/m ³
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	0.043 mg/m ³	Not relevant	0.021 mg/m ³
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant
Citral CAS: 5392-40-5 EC: 226-394-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1.7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	9 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sodium dodecylbenzenesulfonate CAS: 25155-30-0 EC: 246-680-4	Oral	13 mg/kg	Not relevant	13 mg/kg	Not relevant
	Dermal	40 mg/kg	Not relevant	28.6 mg/kg	Not relevant
	Inhalation	26 mg/m ³	26 mg/m ³	26 mg/m ³	26 mg/m ³
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	Oral	Not relevant	Not relevant	6.25 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	21.73 mg/m ³	Not relevant
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	Oral	Not relevant	Not relevant	15 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1650 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	52 mg/m ³	Not relevant
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	Oral	Not relevant	Not relevant	7.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	7.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	13.04 mg/m ³	Not relevant
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	Oral	Not relevant	Not relevant	0.06 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.07 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.125 mg/m ³	0.125 mg/m ³
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	Oral	20 mg/kg	Not relevant	4 mg/kg	Not relevant
	Dermal	20 mg/kg	Not relevant	4 mg/kg	Not relevant
	Inhalation	27 mg/m ³	Not relevant	5.4 mg/m ³	Not relevant
Glycerol CAS: 56-81-5 EC: 200-289-5	Oral	Not relevant	Not relevant	229 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	33 mg/m ³
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	Oral	0.053 mg/kg	Not relevant	0.027 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	0.043 mg/m ³	Not relevant	0.021 mg/m ³
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant
Citral CAS: 5392-40-5 EC: 226-394-6	Oral	Not relevant	Not relevant	0.6 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2.7 mg/m ³	Not relevant

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Sodium dodecylbenzenesulfonate CAS: 25155-30-0 EC: 246-680-4	STP	50 mg/L	Fresh water	0.693 mg/L
	Soil	25 mg/kg	Marine water	1 mg/L
	Intermittent	0.654 mg/L	Sediment (Fresh water)	27.5 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	2.75 mg/kg
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	STP	830 mg/L	Fresh water	0.007 mg/L
	Soil	0.035 mg/kg	Marine water	0.001 mg/L
	Intermittent	0.024 mg/L	Sediment (Fresh water)	0.195 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.019 mg/kg
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	STP	10000 mg/L	Fresh water	0.24 mg/L
	Soil	7.5 mg/kg	Marine water	0.024 mg/L
	Intermittent	0.071 mg/L	Sediment (Fresh water)	0.917 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.092 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	STP	3000 mg/L	Fresh water	0.013 mg/L
	Soil	0.85 mg/kg	Marine water	0.001 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	11.1 mg/kg
	Oral	Not relevant	Sediment (Marine water)	1.11 mg/kg
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	STP	100 mg/L	Fresh water	0.021 mg/L
	Soil	1.63 mg/kg	Marine water	0.002 mg/L
	Intermittent	0.095 mg/L	Sediment (Fresh water)	0.092 mg/kg
	Oral	0.00104 g/kg	Sediment (Marine water)	0.009 mg/kg
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	STP	39 mg/L	Fresh water	1 mg/L
	Soil	0.456 mg/kg	Marine water	0.1 mg/L
	Intermittent	2.3 mg/L	Sediment (Fresh water)	5.27 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.527 mg/kg
Glycerol CAS: 56-81-5 EC: 200-289-5	STP	1000 mg/L	Fresh water	0.885 mg/L
	Soil	0.141 mg/kg	Marine water	0.088 mg/L
	Intermittent	8.85 mg/L	Sediment (Fresh water)	3.3 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.33 mg/kg
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	STP	0.23 mg/L	Fresh water	0.00339 mg/L
	Soil	0.047 mg/kg	Marine water	0.00339 mg/L
	Intermittent	0.00339 mg/L	Sediment (Fresh water)	Not relevant
	Oral	Not relevant	Sediment (Marine water)	Not relevant
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L
	Soil	3 mg/kg	Marine water	0.000403 mg/L
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg
Citral CAS: 5392-40-5 EC: 226-394-6	STP	1.6 mg/L	Fresh water	0.007 mg/L
	Soil	0.021 mg/kg	Marine water	0.001 mg/L
	Intermittent	0.068 mg/L	Sediment (Fresh water)	0.125 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.



C.- Specific protection for the hands

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.062 mm, Conditions of use: Splashing)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Semitransparent
Color:	Blue
Odor:	Fruity
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2349 Pa
Vapour pressure at 50 °C:	12378.44 Pa (12.38 kPa)

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation rate at 20 °C:	Not relevant *
Product description:	
Density at 20 °C:	Not relevant *
Relative density at 25 °C:	1.014 - 1.034
Dynamic viscosity at 25 °C:	550 - 1250 mPa·s
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	8.6 - 9.6 (at 100 %)
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:	Highly water-soluble
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	220 °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:	
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:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (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: 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: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
- 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. However, it contains substances classified as hazardous for inhalation. 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 which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	LD50 oral	2335 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	>5 mg/L	
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	>5 mg/L	
Sodium dodecylbenzenesulfonate CAS: 25155-30-0 EC: 246-680-4	LD50 oral	500 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	>5 mg/L	
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	LD50 oral	1600 mg/kg	Rat
	LD50 dermal	12200 mg/kg	Rabbit
	LC50 inhalation dust	>5 mg/L	
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	LD50 oral	1620 mg/kg	Rat
	LD50 dermal	2500 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
Glycerol CAS: 56-81-5 EC: 200-289-5	LD50 oral	27200 mg/kg	Rat
	LD50 dermal	56750 mg/kg	Guinean pig
	LC50 inhalation vapour	>20 mg/L	
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	LD50 oral	>120 mg/kg	Rat
	LD50 dermal	>242 mg/kg	Rat
	LC50 inhalation mist	0.11 mg/L (4 h)	Rat
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	0.05 mg/L	
Isoeugenol CAS: 97-54-1 EC: 202-590-7	LD50 oral	1500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation vapour	11 mg/L	
Citral CAS: 5392-40-5 EC: 226-394-6	LD50 oral	4950 mg/kg	Rat
	LD50 dermal	2250 mg/kg	Rabbit
	LC50 inhalation vapour	>20 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

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

Other information

Not relevant

** Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION **

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

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
Sodium dodecylbenzenesulfonate CAS: 25155-30-0 EC: 246-680-4	LC50 >3.2 mg/L	Salmo gairdneri	Fish
	EC50 >3.5 mg/L	Daphnia magna	Crustacean
	EC50 >21 mg/L	Pseudokirchneriella subcapitata	Algae
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	LC50 2.4 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50 3.2 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 23.4 mg/L (72 h)	Scenedesmus subspicatus	Algae
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	LC50 7.1 mg/L (96 h)	Danio rerio	Fish
	EC50 7.4 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 27 mg/L (72 h)	Scenedesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	LC50 1.9 mg/L (96 h)	N/A	Fish
	EC50 6.5 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 4.66 mg/L (72 h)	Desmodesmus subspicatus	Algae
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	LC50 800 mg/L (24 h)	Carassius auratus	Fish
	EC50 180 mg/L (24 h)	Daphnia magna	Crustacean
	EC50 75 mg/L (72 h)	Scenedesmus subspicatus	Algae
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	LC50 646 mg/L (48 h)	Leuciscus idus	Fish
	EC50 400 mg/L (24 h)	Daphnia magna	Crustacean
	EC50 79 mg/L (3 h)	Scenedesmus subspicatus	Algae
Glycerol CAS: 56-81-5 EC: 200-289-5	LC50 54000 mg/L (96 h)	Salmo gairdneri	Fish
	EC50 1955 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 Not relevant		
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	LC50 4.77 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50 0.934 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 Not relevant		
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LC50 2.18 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50 2.9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 0.11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration	Species	Genus
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	NOEC 0.32 mg/L	Oncorhynchus mykiss	Fish
	NOEC 0.1 mg/L	Daphnia magna	Crustacean
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	NOEC 0.2 mg/L	Oncorhynchus mykiss	Fish
	NOEC 0.27 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	NOEC 0.135 mg/L	Oncorhynchus mykiss	Fish
	NOEC 0.32 mg/L	Daphnia magna	Crustacean
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	NOEC 1 mg/L	N/A	Fish
	NOEC 0.78 mg/L	Daphnia magna	Crustacean
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	NOEC 48.897 mg/L	N/A	Fish
	NOEC 51 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Degradability		Biodegradability	
	Parameter	Value	Parameter	Value
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	77 %
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8	BOD5	Not relevant	Concentration	10.5 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	100 %
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS: 97862-59-4 EC: 931-296-8	BOD5	Not relevant	Concentration	10 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	87 %
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	BOD5	0.03 g O2/g	Concentration	100 mg/L
	COD	1.52 g O2/g	Period	21 days
	BOD5/COD	0.02	% Biodegradable	54 %
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	94 %
Glycerol CAS: 56-81-5 EC: 200-289-5	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	63 %
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	BOD5	Not relevant	Concentration	10 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	55.8 %
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant	Concentration	1 mg/L
	COD	Not relevant	Period	63 days
	BOD5/COD	Not relevant	% Biodegradable	85 %
Citral CAS: 5392-40-5 EC: 226-394-6	BOD5	0.56 g O2/g	Concentration	100 mg/L
	COD	1.99 g O2/g	Period	28 days
	BOD5/COD	0.28	% Biodegradable	92 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
	Parameter	Value
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	BCF	44
	Pow Log	1.35
	Potential	Moderate
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	BCF	1
	Pow Log	-1.43
	Potential	Low
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	BCF	0
	Pow Log	1.1
	Potential	Low
Glycerol CAS: 56-81-5 EC: 200-289-5	BCF	3
	Pow Log	-1.76
	Potential	Low
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	BCF	
	Pow Log	-0.49
	Potential	
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Bioaccumulation potential	
Citral CAS: 5392-40-5 EC: 226-394-6	BCF	10
	Pow Log	2.76
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl) CAS: Not relevant EC: 931-329-6	Koc	243	Henry	3.7E-7 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Not relevant
	Surface tension	2.77E-2 N/m (24.5 °C)	Moist soil	Not relevant
2,2'-iminodiethanol CAS: 111-42-2 EC: 203-868-0	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	3.4E-2 N/m (148.45 °C)	Moist soil	Not relevant
benzyl alcohol CAS: 100-51-6 EC: 202-859-9	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	3.679E-2 N/m (25 °C)	Moist soil	Not relevant
Glycerol CAS: 56-81-5 EC: 200-289-5	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	6.516E-2 N/m (25 °C)	Moist soil	Not relevant
2-methylisothiazol-3(2H)-one CAS: 2682-20-4 EC: 220-239-6	Koc	Not relevant	Henry	OE+0 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Koc	9.33	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

Highly water-soluble

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

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
20 01 29*	detergents containing hazardous substances	Hazardous

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

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EU) 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

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SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION **

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

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one, N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, 2-methylisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
- Article 95, REGULATION (EU) No 528/2012: *benzyl alcohol (100-51-6) - PT: (6) ; 1,2-benzisothiazol-3(2H)-one (2634-33-5) - PT: (2,6,9,11,12,13) ; N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9) - PT: (2,3,4,6,8,11,12,13) ; 2-methylisothiazol-3(2H)-one (2682-20-4) - PT: (6,11,12,13) ; Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) - PT: (2,4,6,11,12,13)*
- 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) 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

Regulation (EC) No 648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) n°648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

Labelling for contents:

Component	Concentration interval
Non-ionic surfactants	% (w/w) < 5
Amphoteric surfactants	% (w/w) < 5
Anionic surfactants	5 <= % (w/w) < 15
perfumes	

Allergenic fragrances: benzyl alcohol (BENZYL ALCOHOL).

Preservation agents: 1,2-benzisothiazol-3(2H)-one (BENZISOTHIAZOLINONE), 2-methylisothiazol-3(2H)-one (METHYLISOTHIAZOLINONE), N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (LAURYLAMINE DIPROPYLENEDIAMINE), Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (METHYLCHLOROISOTHIAZOLINONE / METHYLISOTHIAZOLINONE).

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:

Chemicals (Amendment) Act 2010 (No. 32 of 2010) as amended by S.I. No. 623/2015- Safety, Health and Welfare at Work (Chemical Agents) (Amendment) Regulations 2015

Chemicals Act 2008 (No. 13 of 2008)

Safety, Health and Welfare (chemical agents) (amendment) regulations 2021 (S.I. No. 232 of 2021) and associated Code of Practice Chemical Agents Regulations (S.I. No. 619 of 2001)

European Communities (Waste Directive) Regulations, S.I. No. 126 of 2011

S.I. No. 315/2016 - European Union (Waste Directive) (Amendment) Regulations 2016.

S.I. No. 323/2020 - European Union (Waste Directive) Regulations 2020

Chemicals Act (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2015 (S.I. No. 209 of 2015)

The Chemicals Act (CLP Regulation) Regulations 2011 (S.I. No. 102 of 2011)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents

- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII

- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the

** Changes with regards to the previous version

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SECTION 15: REGULATORY INFORMATION ** (continued)

Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

*** Changes with regards to the previous version***SECTION 16: OTHER INFORMATION****Legislation related to safety data sheets:**

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.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
 - Amides, c8-18(even numbered) and c18-unsatd., n, n-(hydroxyethyl)
1,2-benzisothiazol-3(2H)-one (2634-33-5)
- Removed substances
 - Pin-2(3)-ene (80-56-8)
 - Copper dinitrate (3251-23-8)
 - Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68155-07-7)
 - sulphuric acid (7664-93-9)

Substances that contribute to the classification (SECTION 2):

- Removed substances
 - Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68155-07-7)

REGULATORY INFORMATION (SECTION 15):

- Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301+H311 - Toxic if swallowed or in contact with skin.

Acute Tox. 4: H302 - Harmful if swallowed.

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.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Corr. 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.

STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Skin Sens. 1A: Calculation method

Skin Irrit. 2: Calculation method

Eye Dam. 1: Calculation method

Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

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SECTION 16: OTHER INFORMATION (continued)**Principal bibliographical sources:**

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -