100101151 - Shubond bio based white A
150 cc

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

1.1 Product identifier: 100101151 - Shubond bio based white A
150 cc

Other means of identification:

UFI: 2YJC-X05M-0002-CJQ1

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

Relevant uses (Professional users):
- Animal care product: Glue for horseshoes and hoof repair
For Professional users only.

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:

Glue-U Adhesives B.V.
Droogdokkeneiland 8
5026 SR Tilburg - The Netherlands
Phone: +31 (0)13 545 31 18
info@glue-u.com
www.glue-u.com

1.4 Emergency telephone number: +31 (0)6 24533395 Mon-Fri 08-17

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.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information:

Contains 2-hydroxyethyl methacrylate, Methyl methacrylate.

Substances that contribute to the classification

Benzyl methacrylate; Methacrylate Terminated Butadiene Acrylonitrile Copolymer; exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate; 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate

UFI: 2YJC-X05M-0002-CJQ1

2.3 Other hazards:

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SECTION 2: HAZARDS IDENTIFICATION (continued)

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: Acrylic resin

Components:

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

Identification	Chemical name/Classification		Concentration
CAS: 2495-37-6 EC: 219-674-4 Index: Not relevant REACH: 01-2119960155-39-XXXX	**Benzyl methacrylate**[1]	Self-classified	**15 - <25%**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H335 - Warning	
CAS: 868-77-9 EC: 212-782-2 Index: 607-124-00-X REACH: 01-2119490169-29-XXXX	**2-hydroxyethyl methacrylate**[1]	ATP CLP00	**15 - <25%**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 118578-03-3 EC: 626-129-8 Index: Not relevant REACH: Not relevant	**Methacrylate Terminated Butadiene Acrylonitrile Copolymer**[1]	Self-classified	**5 - <10%**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	
CAS: 7534-94-3 EC: 231-403-1 Index: 607-134-00-4 REACH: 01-2119886505-27-XXXX	**exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate**[1]	ATP CLP00	**5 - <10%**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	
CAS: 52628-03-2 EC: 258-053-2 Index: Not relevant REACH: 01-2119980575-25-XXXX	**2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate**[1]	Self-classified	**1 - <3%**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H335 - Danger	
CAS: 80-62-6 EC: 201-297-1 Index: 607-035-00-6 REACH: 01-2119452498-28-XXXX	**Methyl methacrylate**[1]	ATP CLP00	**1 - <3%**
	Regulation 1272/2008	Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	
CAS: 79-41-4 EC: 201-204-4 Index: Not relevant REACH: 01-2119463884-26-XXXX	**Methacrylic acid**[1]	Self-classified	**1 - <3%**
	Regulation 1272/2008	Acute Tox. 3: H311; Acute Tox. 4: H302+H332; Eye Dam. 1: H318; Skin Corr. 1A: H314; STOT SE 3: H335 - Danger	
CAS: 52829-07-9 EC: 258-207-9 Index: Not relevant REACH: 01-2119537297-32-XXXX	**Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate**[1]	Self-classified	**1 - <3%**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Repr. 2: H361f - Danger	
CAS: 2842-44-6 EC: 220-638-5 Index: Not relevant REACH: 01-2120827830-56-XXXX	**2-(N-methyl-p-toluidino)ethanol**[2]	Not classified	**<1%**
	Regulation 1272/2008		
CAS: 110-82-7 EC: 203-806-2 Index: 601-017-00-1 REACH: 01-2119463273-41-XXXX	**cyclohexane**[3]	ATP CLP00	**<0.05%**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878
[3] Substance with a Union workplace exposure limit

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

Other information:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate CAS: 7534-94-3 EC: 231-403-1	% (w/w) >=10: STOT SE 3 - H335
Methacrylic acid CAS: 79-41-4 EC: 201-204-4	% (w/w) >=10: Skin Corr. 1A - H314 % (w/w) >=1: Eye Irrit. 2 - H319 % (w/w) >=1: 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
Methacrylic acid CAS: 79-41-4 EC: 201-204-4	LD50 oral	1320 mg/kg	Rat
	LD50 dermal	500 mg/kg	Rabbit
	LC50 inhalation vapour	11 mg/L	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate CAS: 52628-03-2 EC: 258-053-2	LD50 oral	500 mg/kg	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	

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:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

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.

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.

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SECTION 5: FIREFIGHTING MEASURES (continued)

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EEC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

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. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

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SECTION 7: HANDLING AND STORAGE (continued)

A.- Specific storage requirements

Minimum Temp.: 5 ºC

Maximum Temp.: 20 ºC

Maximum time: 6 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Methyl methacrylate CAS: 80-62-6 EC: 201-297-1	IOELV (8h) IOELV (STEL)	50 ppm 100 ppm	
cyclohexane CAS: 110-82-7 EC: 203-806-2	IOELV (8h) IOELV (STEL)	200 ppm	700 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl methacrylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2495-37-6	Dermal	Not relevant	Not relevant	6,94 mg/kg	Not relevant
EC: 219-674-4	Inhalation	Not relevant	Not relevant	24,2 mg/m³	Not relevant
2-hydroxyethyl methacrylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 868-77-9	Dermal	Not relevant	Not relevant	1,3 mg/kg	Not relevant
EC: 212-782-2	Inhalation	Not relevant	Not relevant	4,9 mg/m³	Not relevant
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 7534-94-3	Dermal	Not relevant	Not relevant	0,35 mg/kg	Not relevant
EC: 231-403-1	Inhalation	Not relevant	Not relevant	1,22 mg/m³	Not relevant
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 52628-03-2	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
EC: 258-053-2	Inhalation	Not relevant	Not relevant	7,04 mg/m³	Not relevant
Methyl methacrylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 80-62-6	Dermal	Not relevant	Not relevant	13,67 mg/kg	Not relevant
EC: 201-297-1	Inhalation	Not relevant	416 mg/m³	348,4 mg/m³	208 mg/m³
Methacrylic acid	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 79-41-4	Dermal	Not relevant	Not relevant	4,25 mg/kg	Not relevant
EC: 201-204-4	Inhalation	Not relevant	Not relevant	29,6 mg/m³	88 mg/m³
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 52829-07-9	Dermal	Not relevant	Not relevant	1,8 mg/kg	Not relevant
EC: 258-207-9	Inhalation	Not relevant	Not relevant	1,27 mg/m³	Not relevant
cyclohexane	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 110-82-7	Dermal	Not relevant	Not relevant	2016 mg/kg	Not relevant
EC: 203-806-2	Inhalation	1400 mg/m³	1400 mg/m³	700 mg/m³	700 mg/m³

DNEL (General population):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl methacrylate	Oral	Not relevant	Not relevant	4,17 mg/kg	Not relevant
CAS: 2495-37-6	Dermal	Not relevant	Not relevant	4,17 mg/kg	Not relevant
EC: 219-674-4	Inhalation	Not relevant	Not relevant	7,2 mg/m³	Not relevant
2-hydroxyethyl methacrylate	Oral	Not relevant	Not relevant	0,83 mg/kg	Not relevant
CAS: 868-77-9	Dermal	Not relevant	Not relevant	0,83 mg/kg	Not relevant
EC: 212-782-2	Inhalation	Not relevant	Not relevant	2,9 mg/m³	Not relevant
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	Oral	Not relevant	Not relevant	0,21 mg/kg	Not relevant
CAS: 7534-94-3	Dermal	Not relevant	Not relevant	0,21 mg/kg	Not relevant
EC: 231-403-1	Inhalation	Not relevant	Not relevant	0,36 mg/m³	Not relevant
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 52628-03-2	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
EC: 258-053-2	Inhalation	Not relevant	Not relevant	1,74 mg/m³	Not relevant
Methyl methacrylate	Oral	Not relevant	Not relevant	8,2 mg/kg	Not relevant
CAS: 80-62-6	Dermal	Not relevant	Not relevant	8,2 mg/kg	Not relevant
EC: 201-297-1	Inhalation	Not relevant	208 mg/m³	74,3 mg/m³	104 mg/m³
Methacrylic acid	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 79-41-4	Dermal	Not relevant	Not relevant	2,55 mg/kg	Not relevant
EC: 201-204-4	Inhalation	Not relevant	Not relevant	6,3 mg/m³	6,55 mg/m³
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	Oral	Not relevant	Not relevant	0,18 mg/kg	Not relevant
CAS: 52829-07-9	Dermal	Not relevant	Not relevant	0,9 mg/kg	Not relevant
EC: 258-207-9	Inhalation	Not relevant	Not relevant	0,31 mg/m³	Not relevant
cyclohexane	Oral	Not relevant	Not relevant	59,4 mg/kg	Not relevant
CAS: 110-82-7	Dermal	Not relevant	Not relevant	1186 mg/kg	Not relevant
EC: 203-806-2	Inhalation	412 mg/m³	412 mg/m³	206 mg/m³	206 mg/m³

PNEC:

Identification				
Benzyl methacrylate	STP	1,33 mg/L	Fresh water	0,01 mg/L
CAS: 2495-37-6	Soil	0,079 mg/kg	Marine water	0,001 mg/L
EC: 219-674-4	Intermittent	0,005 mg/L	Sediment (Fresh water)	0,423 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,042 mg/kg
2-hydroxyethyl methacrylate	STP	10 mg/L	Fresh water	0,482 mg/L
CAS: 868-77-9	Soil	0,476 mg/kg	Marine water	0,482 mg/L
EC: 212-782-2	Intermittent	1 mg/L	Sediment (Fresh water)	3,79 mg/kg
	Oral	Not relevant	Sediment (Marine water)	3,79 mg/kg
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	STP	2,45 mg/L	Fresh water	0,00233 mg/L
CAS: 7534-94-3	Soil	0,239 mg/kg	Marine water	0,000233 mg/L
EC: 231-403-1	Intermittent	0,0179 mg/L	Sediment (Fresh water)	1,2 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,12 mg/kg
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	STP	0,546 mg/L	Fresh water	0,068 mg/L
CAS: 52628-03-2	Soil	0,056 mg/kg	Marine water	0,007 mg/L
EC: 258-053-2	Intermittent	0,68 mg/L	Sediment (Fresh water)	0,481 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,048 mg/kg
Methyl methacrylate	STP	10 mg/L	Fresh water	0,94 mg/L
CAS: 80-62-6	Soil	1,48 mg/kg	Marine water	0,094 mg/L
EC: 201-297-1	Intermittent	0,94 mg/L	Sediment (Fresh water)	10,2 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,102 mg/kg
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	STP	1 mg/L	Fresh water	0,004 mg/L
CAS: 52829-07-9	Soil	1,18 mg/kg	Marine water	0,00038 mg/L
EC: 258-207-9	Intermittent	0,007 mg/L	Sediment (Fresh water)	5,9 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,59 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
cyclohexane	STP	3,24 mg/L	Fresh water	0,207 mg/L
CAS: 110-82-7	Soil	3,38 mg/kg	Marine water	0,207 mg/L
EC: 203-806-2	Intermittent	0,207 mg/L	Sediment (Fresh water)	16,68 mg/kg
	Oral	Not relevant	Sediment (Marine water)	16,68 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

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 60 min, Thickness: 0.425 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

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

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN ISO 16321-1:2022 + EN ISO 16321-3:2022 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

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): 16,04 % weight

V.O.C. density at 20 ºC: 171,76 kg/m³ (171,76 g/L)

Average carbon number: 5,94

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Average molecular weight: 128,12 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Viscous
Colour:	☐ White
Odour:	Pleasant
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	Not relevant *
Vapour pressure at 20 ºC:	Not relevant *
Vapour pressure at 50 ºC:	Not relevant *
Evaporation rate at 20 ºC:	Not relevant *

Product description:

Density at 20 ºC:	1000 kg/m³
Relative density at 20 ºC:	1,071
Dynamic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 ºC:	Not relevant *
Partition coefficient n-octanol/water 20 ºC:	Not relevant *
Solubility in water at 20 ºC:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	260 ºC
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 *

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 ºC:	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
Not applicable	Not applicable	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:

Contains susbstances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

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: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

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):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Methyl methacrylate (3: Not classifiable as to its carcinogenicity to humans)
- 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. However, it does 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:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does 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
Benzyl methacrylate CAS: 2495-37-6 EC: 219-674-4	LD50 oral	3850 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
2-hydroxyethyl methacrylate CAS: 868-77-9 EC: 212-782-2	LD50 oral	5050 mg/kg	Rat
	LD50 dermal	3000 mg/kg	Rabbit
	LC50 inhalation vapour	>20 mg/L	
Methacrylate Terminated Butadiene Acrylonitrile Copolymer CAS: 118578-03-3 EC: 626-129-8	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate CAS: 7534-94-3 EC: 231-403-1	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
Methyl methacrylate CAS: 80-62-6 EC: 201-297-1	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
Methacrylic acid CAS: 79-41-4 EC: 201-204-4	LD50 oral	1320 mg/kg	Rat
	LD50 dermal	500 mg/kg	Rabbit
	LC50 inhalation vapour	11 mg/L	
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS: 52829-07-9 EC: 258-207-9	LD50 oral	3700 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	>5 mg/L	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate CAS: 52628-03-2 EC: 258-053-2	LD50 oral	500 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
2-(N-methyl-p-toluidino)ethanol CAS: 2842-44-6 EC: 220-638-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
cyclohexane CAS: 110-82-7 EC: 203-806-2	LD50 oral	5100 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	

Acute Toxicity Estimate (ATE mix):

	ATE mix	Ingredient(s) of unknown toxicity
Oral	14798,21 mg/kg (Calculation method)	0 %
Dermal	50000 mg/kg (Calculation method)	0 %
LC50 inhalation vapour	1100 mg/L (4 h) (Calculation method)	0 %

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

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.

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
Benzyl methacrylate	LC50	4,7 mg/L (96 h)	Pimephales promelas	Fish
CAS: 2495-37-6	EC50	Not relevant		
EC: 219-674-4	EC50	2,3 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-hydroxyethyl methacrylate	LC50	227 mg/L (96 h)	Pimephales promelas	Fish
CAS: 868-77-9	EC50	Not relevant		
EC: 212-782-2	EC50	Not relevant		
Methyl methacrylate	LC50	191 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 80-62-6	EC50	69 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-297-1	EC50	170 mg/L (96 h)	Selenastrum capricornutum	Algae
Methacrylic acid	LC50	Not relevant		
CAS: 79-41-4	EC50	130 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-204-4	EC50	Not relevant		
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	LC50	5,3 mg/L (96 h)	Oryzias latipes	Fish
CAS: 52829-07-9	EC50	8,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 258-207-9	EC50	0,7 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
cyclohexane	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 110-82-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 203-806-2	EC50	>0.1 - 1 mg/L (72 h)		Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
Benzyl methacrylate	NOEC	Not relevant		
CAS: 2495-37-6 EC: 219-674-4	NOEC	4,21 mg/L	Daphnia magna	Crustacean
2-hydroxyethyl methacrylate	NOEC	Not relevant		
CAS: 868-77-9 EC: 212-782-2	NOEC	24,1 mg/L	Daphnia magna	Crustacean
Methyl methacrylate	NOEC	9,4 mg/L	Danio rerio	Fish
CAS: 80-62-6 EC: 201-297-1	NOEC	37 mg/L	Daphnia magna	Crustacean
Methacrylic acid	NOEC	Not relevant		
CAS: 79-41-4 EC: 201-204-4	NOEC	53 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Concentration	Species	Genus
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	NOEC	Not relevant		
CAS: 52829-07-9 EC: 258-207-9	NOEC	0,23 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Benzyl methacrylate	BOD5	Not relevant	Concentration	Not relevant
CAS: 2495-37-6	COD	Not relevant	Period	28 days
EC: 219-674-4	BOD5/COD	Not relevant	% Biodegradable	74 %
2-hydroxyethyl methacrylate	BOD5	Not relevant	Concentration	100 mg/L
CAS: 868-77-9	COD	Not relevant	Period	14 days
EC: 212-782-2	BOD5/COD	Not relevant	% Biodegradable	95 %
Methyl methacrylate	BOD5	Not relevant	Concentration	100 mg/L
CAS: 80-62-6	COD	Not relevant	Period	14 days
EC: 201-297-1	BOD5/COD	Not relevant	% Biodegradable	94,3 %
Methacrylic acid	BOD5	Not relevant	Concentration	3 mg/L
CAS: 79-41-4	COD	Not relevant	Period	28 days
EC: 201-204-4	BOD5/COD	Not relevant	% Biodegradable	86 %
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	BOD5	Not relevant	Concentration	20 mg/L
CAS: 52829-07-9	COD	Not relevant	Period	28 days
EC: 258-207-9	BOD5/COD	Not relevant	% Biodegradable	29 %
cyclohexane	BOD5	Not relevant	Concentration	100 mg/L
CAS: 110-82-7	COD	Not relevant	Period	28 days
EC: 203-806-2	BOD5/COD	Not relevant	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Benzyl methacrylate	BCF	
CAS: 2495-37-6	Pow Log	3.1
EC: 219-674-4	Potential	
2-hydroxyethyl methacrylate	BCF	3
CAS: 868-77-9	Pow Log	0.47
EC: 212-782-2	Potential	Low
Methyl methacrylate	BCF	7
CAS: 80-62-6	Pow Log	1.38
EC: 201-297-1	Potential	Low
Methacrylic acid	BCF	2
CAS: 79-41-4	Pow Log	
EC: 201-204-4	Potential	Low
cyclohexane	BCF	66
CAS: 110-82-7	Pow Log	3.44
EC: 203-806-2	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Benzyl methacrylate	Koc	342	Henry	1,19 Pa·m³/mol
CAS: 2495-37-6	Conclusion	Moderate	Dry soil	Yes
EC: 219-674-4	Surface tension	Not relevant	Moist soil	Yes
Methyl methacrylate	Koc	Not relevant	Henry	Not relevant
CAS: 80-62-6	Conclusion	Not relevant	Dry soil	Not relevant
EC: 201-297-1	Surface tension	2,551E-2 N/m (25 ºC)	Moist soil	Not relevant

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Absorption/desorption		Volatility	
Methacrylic acid	Koc	25	Henry	3,9E-2 Pa·m³/mol	
CAS: 79-41-4	Conclusion	Very High	Dry soil	Yes	
EC: 201-204-4	Surface tension	2,912E-2 N/m (25 ºC)	Moist soil	Yes	
cyclohexane	Koc	Not relevant	Henry	Not relevant	
CAS: 110-82-7	Conclusion	Not relevant	Dry soil	Not relevant	
EC: 203-806-2	Surface tension	2,465E-2 N/m (25 ºC)	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)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

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

HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-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 2025 and RID 2025:

14.1 UN number or ID number: Not relevant
14.2 UN proper shipping name: Not relevant
14.3 Transport hazard class(es): Not relevant
Labels: Not relevant
14.4 Packing group: Not relevant
14.5 Environmental hazards: No
14.6 Special precautions for user
Special regulations: Not relevant
Tunnel restriction code: Not relevant
Physico-Chemical properties: see section 9
Limited quantities: Not relevant
14.7 Maritime transport in bulk according to IMO instruments: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1	**UN number or ID number:**	Not relevant
14.2	**UN proper shipping name:**	Not relevant
14.3	**Transport hazard class(es):**	Not relevant
	Labels:	Not relevant
14.4	**Packing group:**	Not relevant
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	Not relevant
	EmS Codes:	
	Physico-Chemical properties:	see section 9
	Limited quantities:	Not relevant
	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 2026:

14.1	**UN number or ID number:**	Not relevant
14.2	**UN proper shipping name:**	Not relevant
14.3	**Transport hazard class(es):**	Not relevant
	Labels:	Not relevant
14.4	**Packing group:**	Not relevant
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	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:

Not relevant

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

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

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SECTION 16: OTHER INFORMATION (continued)

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:

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

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

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H311 - Toxic in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Repr. 2: H361f - Suspected of damaging fertility.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method
STOT SE 3: Calculation method
Skin Sens. 1B: Calculation method

Advice related to training:

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

Principal bibliographical sources:

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

Abbreviations and acronyms:

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

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

- END OF SAFETY DATA SHEET -