GO VANILLA VANILLA

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

1.1 Product identifier: GO VANILLA VANILLA

Other means of identification:

Not relevant

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

Relevant uses (Consumer use): Air freshener

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:

MB ELIX sp. z oo sp.k.
ul. Skarżyńskiego 26
54-530 Wrocław - Poland
Phone: 0048 71 387 85 33 - Fax: 0048 71 722 29 68
lab@elix.pl
www.elixscent.com

1.4 Emergency telephone number: 0048 71 387 85 33 (8.00-16.00)

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

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Labelling of packages where the contents do not exceed 125 ml:

Hazard statements:

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH204: Contains isocyanates. May produce an allergic reaction.
EUH208: Contains allyl 3-cyclohexylpropionate, coumarin, ethyl 2,3-epoxy-3-phenylbutyrate, methyl cinnamate, allyl phenoxyacetate, isoeugenol. May produce an allergic reaction.

Additional Labelling:

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 140-11-4 EC: 205-399-7 Index: Not relevant REACH: 01-2119638272-42-XXXX	**Benzyl acetate[1]**	Self-classified	**30 - <35 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 28182-81-2 EC: 931-274-8 Index: Not relevant REACH: 01-2119485796-17-XXXX	**Hexamethylene diisocyanate, oligomers[1]**	Self-classified	**0,75 - <1 %**
	Regulation 1272/2008	Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning	
CAS: 123-68-2 EC: 204-642-4 Index: Not relevant REACH: 01-2119983573-26-XXXX	**Allyl hexanoate[1]**	Self-classified	**0,5 - <0,75 %**
	Regulation 1272/2008	Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 2: H411 - Danger	
CAS: 2705-87-5 EC: 220-292-5 Index: Not relevant REACH: 01-2119976355-27-XXXX	**Allyl 3-cyclohexylpropionate[1]**	Self-classified	**0,5 - <0,75 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 142-19-8 EC: 205-527-1 Index: Not relevant REACH: 01-2119488961-23-XXXX	**Allyl heptanoate[1]**	Self-classified	**0,5 - <0,75 %**
	Regulation 1272/2008	Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 2: H411 - Danger	
CAS: 67634-00-8 EC: 266-803-5 Index: Not relevant REACH: 01-2120795456-39-XXXX	**Allyl (3-methylbutoxy)acetate[1]**	Self-classified	**0,5 - <0,75 %**
	Regulation 1272/2008	Acute Tox. 1: H330; Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; STOT RE 2: H373 - Danger	
CAS: 91-64-5 EC: 202-086-7 Index: Not relevant REACH: 01-2119949300-45-XXXX	**Coumarin[1]**	Self-classified	**0,25 - <0,5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Sens. 1B: H317 - Warning	
CAS: 68901-15-5 EC: 272-657-3 Index: Not relevant REACH: 01-2120770514-54-XXXX	**Allyl (cyclohexyloxy)acetate[1]**	Self-classified	**0,25 - <0,5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	
CAS: 77-83-8 EC: 201-061-8 Index: Not relevant REACH: 01-2119967770-28-XXXX	**Ethyl 2,3-epoxy-3-phenylbutyrate[1]**	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	
CAS: 103-26-4 EC: 203-093-8 Index: Not relevant REACH: 01-2119979458-16-XXXX	**Methyl cinnamate[1]**	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Skin Sens. 1B: H317 - Warning	
CAS: 7493-74-5 EC: 231-335-2 Index: Not relevant REACH: 01-2120762043-63-XXXX	**Allyl phenoxyacetate[1]**	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; Skin Sens. 1B: H317 - Warning	
CAS: 97-54-1 EC: 202-590-7 Index: 604-094-00-X REACH: 01-2120223682-61	**Isoeugenol[1]**	Self-classified	**<0,01 %**
	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	

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

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

Other information:

Identification	Specific concentration limit
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:

Identification	Acute toxicity		Genus
Allyl hexanoate CAS: 123-68-2 EC: 204-642-4	LD50 oral	220 mg/kg	
	LD50 dermal	300 mg/kg	
	LC50 inhalation dust	Not relevant	

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Acute toxicity		Genus
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	LD50 oral	218 mg/kg	Rat
	LD50 dermal	810 mg/kg	Rabbit
	LC50 inhalation dust	Not relevant	
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	LD50 oral	500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation dust	0,46 mg/L *	
Allyl 3-cyclohexylpropionate CAS: 2705-87-5 EC: 220-292-5	LD50 oral	585 mg/kg	Rat
	LD50 dermal	1600 mg/kg	Rabbit
	LC50 inhalation dust	Not relevant	
Coumarin CAS: 91-64-5 EC: 202-086-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation dust	Not relevant	
Allyl (cyclohexyloxy)acetate CAS: 68901-15-5 EC: 272-657-3	LD50 oral	620,42 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation dust	Not relevant	
Allyl phenoxyacetate CAS: 7493-74-5 EC: 231-335-2	LD50 oral	835 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation dust	Not relevant	
Isoeugenol CAS: 97-54-1 EC: 202-590-7	LD50 oral	1500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation dust	1,5 mg/L	

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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:

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SECTION 5: FIREFIGHTING MEASURES (continued)

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

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:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

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

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.:	5 ºC
Maximum Temp.:	35 ºC

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SECTION 7: HANDLING AND STORAGE (continued)

Maximum time: 36 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):

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 140-11-4	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
EC: 205-399-7	Inhalation	Not relevant	Not relevant	9 mg/m³	Not relevant
Hexamethylene diisocyanate, oligomers	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 28182-81-2	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 931-274-8	Inhalation	Not relevant	1 mg/m³	Not relevant	0,5 mg/m³
Allyl hexanoate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 123-68-2	Dermal	Not relevant	Not relevant	4,3 mg/kg	Not relevant
EC: 204-642-4	Inhalation	Not relevant	Not relevant	15 mg/m³	Not relevant
Allyl 3-cyclohexylpropionate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2705-87-5	Dermal	Not relevant	Not relevant	4,3 mg/kg	Not relevant
EC: 220-292-5	Inhalation	Not relevant	Not relevant	15 mg/m³	Not relevant
Allyl heptanoate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 142-19-8	Dermal	Not relevant	Not relevant	0,84 mg/kg	Not relevant
EC: 205-527-1	Inhalation	Not relevant	Not relevant	2,97 mg/m³	Not relevant
Allyl (3-methylbutoxy)acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 67634-00-8	Dermal	Not relevant	Not relevant	1,4 mg/kg	Not relevant
EC: 266-803-5	Inhalation	Not relevant	Not relevant	4,93 mg/m³	Not relevant
Coumarin	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 91-64-5	Dermal	Not relevant	Not relevant	0,79 mg/kg	Not relevant
EC: 202-086-7	Inhalation	Not relevant	Not relevant	6,78 mg/m³	Not relevant
Allyl (cyclohexyloxy)acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 68901-15-5	Dermal	Not relevant	Not relevant	0,448 mg/kg	Not relevant
EC: 272-657-3	Inhalation	Not relevant	Not relevant	3,16 mg/m³	Not relevant
Ethyl 2,3-epoxy-3-phenylbutyrate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 77-83-8	Dermal	Not relevant	Not relevant	0,7 mg/kg	Not relevant
EC: 201-061-8	Inhalation	Not relevant	Not relevant	2,45 mg/m³	Not relevant
Methyl cinnamate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 103-26-4	Dermal	Not relevant	Not relevant	4 mg/kg	Not relevant
EC: 203-093-8	Inhalation	Not relevant	Not relevant	28,2 mg/m³	Not relevant
Allyl phenoxyacetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 7493-74-5	Dermal	Not relevant	Not relevant	0,875 mg/kg	Not relevant
EC: 231-335-2	Inhalation	Not relevant	Not relevant	2,47 mg/m³	Not relevant

DNEL (General population):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl acetate	Oral	Not relevant	Not relevant	1,3 mg/kg	Not relevant
CAS: 140-11-4	Dermal	Not relevant	Not relevant	1,3 mg/kg	Not relevant
EC: 205-399-7	Inhalation	Not relevant	Not relevant	2,2 mg/m³	Not relevant
Allyl hexanoate	Oral	Not relevant	Not relevant	2,1 mg/kg	Not relevant
CAS: 123-68-2	Dermal	Not relevant	Not relevant	2,1 mg/kg	Not relevant
EC: 204-642-4	Inhalation	Not relevant	Not relevant	3,7 mg/m³	Not relevant
Allyl 3-cyclohexylpropionate	Oral	Not relevant	Not relevant	2,1 mg/kg	Not relevant
CAS: 2705-87-5	Dermal	Not relevant	Not relevant	2,1 mg/kg	Not relevant
EC: 220-292-5	Inhalation	Not relevant	Not relevant	3,7 mg/m³	Not relevant
Allyl heptanoate	Oral	Not relevant	Not relevant	0,42 mg/kg	Not relevant
CAS: 142-19-8	Dermal	Not relevant	Not relevant	0,42 mg/kg	Not relevant
EC: 205-527-1	Inhalation	Not relevant	Not relevant	0,73 mg/m³	Not relevant
Allyl (3-methylbutoxy)acetate	Oral	Not relevant	Not relevant	0,5 mg/kg	Not relevant
CAS: 67634-00-8	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
EC: 266-803-5	Inhalation	Not relevant	Not relevant	0,87 mg/m³	Not relevant
Coumarin	Oral	Not relevant	Not relevant	0,39 mg/kg	Not relevant
CAS: 91-64-5	Dermal	Not relevant	Not relevant	0,39 mg/kg	Not relevant
EC: 202-086-7	Inhalation	Not relevant	Not relevant	1,69 mg/m³	Not relevant
Allyl (cyclohexyloxy)acetate	Oral	Not relevant	Not relevant	0,16 mg/kg	Not relevant
CAS: 68901-15-5	Dermal	Not relevant	Not relevant	0,16 mg/kg	Not relevant
EC: 272-657-3	Inhalation	Not relevant	Not relevant	0,557 mg/m³	Not relevant
Ethyl 2,3-epoxy-3-phenylbutyrate	Oral	Not relevant	Not relevant	0,35 mg/kg	Not relevant
CAS: 77-83-8	Dermal	Not relevant	Not relevant	0,35 mg/kg	Not relevant
EC: 201-061-8	Inhalation	Not relevant	Not relevant	0,61 mg/m³	Not relevant
Methyl cinnamate	Oral	Not relevant	Not relevant	2 mg/kg	Not relevant
CAS: 103-26-4	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
EC: 203-093-8	Inhalation	Not relevant	Not relevant	6,96 mg/m³	Not relevant
Allyl phenoxyacetate	Oral	Not relevant	Not relevant	0,125 mg/kg	Not relevant
CAS: 7493-74-5	Dermal	Not relevant	Not relevant	0,313 mg/kg	Not relevant
EC: 231-335-2	Inhalation	Not relevant	Not relevant	0,435 mg/m³	Not relevant

PNEC:

Identification				
Benzyl acetate	STP	8,55 mg/L	Fresh water	0,018 mg/L
CAS: 140-11-4	Soil	0,094 mg/kg	Marine water	0,002 mg/L
EC: 205-399-7	Intermittent	0,04 mg/L	Sediment (Fresh water)	0,526 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,053 mg/kg
Hexamethylene diisocyanate, oligomers	STP	88 mg/L	Fresh water	0,127 mg/L
CAS: 28182-81-2	Soil	53183 mg/kg	Marine water	0,013 mg/L
EC: 931-274-8	Intermittent	1,27 mg/L	Sediment (Fresh water)	266701 mg/kg
	Oral	Not relevant	Sediment (Marine water)	26670 mg/kg
Allyl hexanoate	STP	10 mg/L	Fresh water	0,000117 mg/L
CAS: 123-68-2	Soil	0,000825 mg/kg	Marine water	0,000012 mg/L
EC: 204-642-4	Intermittent	0,00117 mg/L	Sediment (Fresh water)	0,00446 mg/kg
	Oral	0,04756 g/kg	Sediment (Marine water)	0,000446 mg/kg
Allyl 3-cyclohexylpropionate	STP	0,2 mg/L	Fresh water	0,00013 mg/L
CAS: 2705-87-5	Soil	0,00475 mg/kg	Marine water	0,000013 mg/L
EC: 220-292-5	Intermittent	0,0013 mg/L	Sediment (Fresh water)	0,02413 mg/kg
	Oral	0,143 g/kg	Sediment (Marine water)	0,002413 mg/kg
Allyl heptanoate	STP	10 mg/L	Fresh water	0,00012 mg/L
CAS: 142-19-8	Soil	0,002 mg/kg	Marine water	0,000012 mg/L
EC: 205-527-1	Intermittent	0,0012 mg/L	Sediment (Fresh water)	0,012 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,001 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Allyl (3-methylbutoxy)acetate	STP	Not relevant	Fresh water	0,00077 mg/L
CAS: 67634-00-8	Soil	0,00133 mg/kg	Marine water	0,000077 mg/L
EC: 266-803-5	Intermittent	0,0077 mg/L	Sediment (Fresh water)	0,00893 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,000893 mg/kg
Coumarin	STP	6,4 mg/L	Fresh water	0,019 mg/L
CAS: 91-64-5	Soil	0,018 mg/kg	Marine water	0,0019 mg/L
EC: 202-086-7	Intermittent	0,0142 mg/L	Sediment (Fresh water)	0,15 mg/kg
	Oral	0,0307 g/kg	Sediment (Marine water)	0,015 mg/kg
Allyl (cyclohexyloxy)acetate	STP	0,3 mg/L	Fresh water	0,00205 mg/L
CAS: 68901-15-5	Soil	0,375 mg/kg	Marine water	0,000205 mg/L
EC: 272-657-3	Intermittent	0,00205 mg/L	Sediment (Fresh water)	0,0387 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,00387 mg/kg
Ethyl 2,3-epoxy-3-phenylbutyrate	STP	10 mg/L	Fresh water	0,008 mg/L
CAS: 77-83-8	Soil	0,038 mg/kg	Marine water	0,0084 mg/L
EC: 201-061-8	Intermittent	0,084 mg/L	Sediment (Fresh water)	0,214 mg/kg
	Oral	0,0233 g/kg	Sediment (Marine water)	0,021 mg/kg
Methyl cinnamate	STP	1,81 mg/L	Fresh water	0,00276 mg/L
CAS: 103-26-4	Soil	0,013 mg/kg	Marine water	0,000276 mg/L
EC: 203-093-8	Intermittent	0,0276 mg/L	Sediment (Fresh water)	0,074 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,0074 mg/kg
Allyl phenoxyacetate	STP	0,2 mg/L	Fresh water	0,000133 mg/L
CAS: 7493-74-5	Soil	0,00043 mg/kg	Marine water	0,000013 mg/L
EC: 231-335-2	Intermittent	0,00133 mg/L	Sediment (Fresh water)	0,00255 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,000255 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: > 156 min, Thickness: 0.4 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 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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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.
	Anti-slip work shoes	CE CAT II	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:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Solid
Appearance:	Compact
Colour:	Amber
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:	1076,4 kg/m³
Relative density at 20 ºC:	1,076
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 *

*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)

Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	Not relevant *
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	235 ºC
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Explosive (Solid):	
Lower explosive limit:	Not relevant *
Upper explosive 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 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	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 (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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: 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.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: 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.

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

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Benzyl acetate (3); Coumarin (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

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:

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
Benzyl acetate	LD50 oral	2490 mg/kg	Rat
CAS: 140-11-4 EC: 205-399-7	LD50 dermal		
	LC50 inhalation		

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Allyl hexanoate CAS: 123-68-2 EC: 204-642-4	LD50 oral	220 mg/kg	
	LD50 dermal	300 mg/kg	
	LC50 inhalation		
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	LD50 oral	218 mg/kg	Rat
	LD50 dermal	810 mg/kg	Rabbit
	LC50 inhalation		
Allyl (3-methylbutoxy)acetate CAS: 67634-00-8 EC: 266-803-5	LD50 oral	500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation mist	0,46 mg/L	Rat
Hexamethylene diisocyanate, oligomers CAS: 28182-81-2 EC: 931-274-8	LD50 oral	5100 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation	4500 mg/L	
	LC50 inhalation vapour	11 mg/L	
	LC50 inhalation dust	1,5 mg/L	
	LC50 inhalation mist	1,5 mg/L	
Allyl 3-cyclohexylpropionate CAS: 2705-87-5 EC: 220-292-5	LD50 oral	585 mg/kg	Rat
	LD50 dermal	1600 mg/kg	Rabbit
	LC50 inhalation		
Coumarin CAS: 91-64-5 EC: 202-086-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation		
Allyl (cyclohexyloxy)acetate CAS: 68901-15-5 EC: 272-657-3	LD50 oral	620,42 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Methyl cinnamate CAS: 103-26-4 EC: 203-093-8	LD50 oral	2610 mg/kg	
	LD50 dermal		
	LC50 inhalation		
Allyl phenoxyacetate CAS: 7493-74-5 EC: 231-335-2	LD50 oral	835 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation		
Isoeugenol CAS: 97-54-1 EC: 202-590-7	LD50 oral	1500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	4500 mg/L	
	LC50 inhalation vapour	11 mg/L	
	LC50 inhalation dust	1,5 mg/L	
	LC50 inhalation mist	1,5 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

SECTION 12: ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
Benzyl acetate	LC50	Not relevant		
CAS: 140-11-4	EC50	17 mg/L (48 h)	Daphnia magna	Crustacean
EC: 205-399-7	EC50	110 mg/L (72 h)	Desmodesmus subspicatus	Algae
Hexamethylene diisocyanate, oligomers	LC50	Not relevant		
CAS: 28182-81-2	EC50	Not relevant		
EC: 931-274-8	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae
Allyl hexanoate	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 123-68-2	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 204-642-4	EC50	>0.1 - 1 mg/L (72 h)		Algae
Allyl 3-cyclohexylpropionate	LC50	0,13 mg/L (96 h)	Pimephales promelas	Fish
CAS: 2705-87-5	EC50	3,8 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-292-5	EC50	3 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Allyl heptanoate	LC50	0,12 mg/L (96 h)	Danio rerio	Fish
CAS: 142-19-8	EC50	0,89 mg/L (48 h)	Daphnia magna	Crustacean
EC: 205-527-1	EC50	4,6 mg/L (72 h)	Desmodesmus subspicatus	Algae
Allyl (3-methylbutoxy)acetate	LC50	0,77 mg/L (96 h)	N/A	Fish
CAS: 67634-00-8	EC50	5,09 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-803-5	EC50	2,06 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Allyl (cyclohexyloxy)acetate	LC50	0,205 mg/L (96 h)	Danio rerio	Fish
CAS: 68901-15-5	EC50	6,09 mg/L (48 h)	Daphnia magna	Crustacean
EC: 272-657-3	EC50	36,6 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Ethyl 2,3-epoxy-3-phenylbutyrate	LC50	4,2 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 77-83-8	EC50	52 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-061-8	EC50	36 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Allyl phenoxyacetate	LC50	0,133 mg/L (96 h)	Danio rerio	Fish
CAS: 7493-74-5	EC50	2,07 mg/L (48 h)	Daphnia magna	Crustacean
EC: 231-335-2	EC50	Not relevant		

Chronic toxicity:

Identification	Concentration		Species	Genus
Benzyl acetate	NOEC	0,92 mg/L	Oryzias latipes	Fish
CAS: 140-11-4 EC: 205-399-7	NOEC	Not relevant		
Allyl (cyclohexyloxy)acetate	NOEC	Not relevant		
CAS: 68901-15-5 EC: 272-657-3	NOEC	3,2 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Benzyl acetate	BOD5	Not relevant	Concentration	10 mg/L
CAS: 140-11-4	COD	Not relevant	Period	28 days
EC: 205-399-7	BOD5/COD	Not relevant	% Biodegradable	100 %
Allyl 3-cyclohexylpropionate	BOD5	Not relevant	Concentration	5 mg/L
CAS: 2705-87-5	COD	Not relevant	Period	28 days
EC: 220-292-5	BOD5/COD	Not relevant	% Biodegradable	86 %
Allyl heptanoate	BOD5	Not relevant	Concentration	100 mg/L
CAS: 142-19-8	COD	Not relevant	Period	28 days
EC: 205-527-1	BOD5/COD	Not relevant	% Biodegradable	81 %
Allyl (3-methylbutoxy)acetate	BOD5	Not relevant	Concentration	240 mg/L
CAS: 67634-00-8	COD	Not relevant	Period	13 days
EC: 266-803-5	BOD5/COD	Not relevant	% Biodegradable	78 %
Coumarin	BOD5	Not relevant	Concentration	100 mg/L
CAS: 91-64-5	COD	Not relevant	Period	14 days
EC: 202-086-7	BOD5/COD	Not relevant	% Biodegradable	100 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
Ethyl 2,3-epoxy-3-phenylbutyrate	BOD5	Not relevant	Concentration	100 mg/L
CAS: 77-83-8	COD	Not relevant	Period	28 days
EC: 201-061-8	BOD5/COD	Not relevant	% Biodegradable	53 %
Allyl phenoxyacetate	BOD5	Not relevant	Concentration	4 mg/L
CAS: 7493-74-5	COD	Not relevant	Period	28 days
EC: 231-335-2	BOD5/COD	Not relevant	% Biodegradable	68 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Benzyl acetate	BCF	8
CAS: 140-11-4	Pow Log	1.96
EC: 205-399-7	Potential	Low
Allyl 3-cyclohexylpropionate	BCF	860
CAS: 2705-87-5	Pow Log	4.28
EC: 220-292-5	Potential	High
Allyl heptanoate	BCF	473
CAS: 142-19-8	Pow Log	2.99
EC: 205-527-1	Potential	High
Allyl (3-methylbutoxy)acetate	BCF	
CAS: 67634-00-8	Pow Log	1.85
EC: 266-803-5	Potential	
Coumarin	BCF	10
CAS: 91-64-5	Pow Log	1.39
EC: 202-086-7	Potential	Low
Allyl (cyclohexyloxy)acetate	BCF	
CAS: 68901-15-5	Pow Log	2.18
EC: 272-657-3	Potential	
Allyl phenoxyacetate	BCF	
CAS: 7493-74-5	Pow Log	2.19
EC: 231-335-2	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Benzyl acetate	Koc	Not relevant	Henry	Not relevant
CAS: 140-11-4	Conclusion	Not relevant	Dry soil	Not relevant
EC: 205-399-7	Surface tension	3,558E-2 N/m (25 ºC)	Moist soil	Not relevant
Allyl 3-cyclohexylpropionate	Koc	1820	Henry	Not relevant
CAS: 2705-87-5	Conclusion	Low	Dry soil	Not relevant
EC: 220-292-5	Surface tension	Not relevant	Moist soil	Not relevant
Allyl heptanoate	Koc	968.3	Henry	112 Pa·m³/mol
CAS: 142-19-8	Conclusion	Low	Dry soil	Not relevant
EC: 205-527-1	Surface tension	Not relevant	Moist soil	Not relevant
Allyl (3-methylbutoxy)acetate	Koc	80	Henry	Not relevant
CAS: 67634-00-8	Conclusion	Very High	Dry soil	Not relevant
EC: 266-803-5	Surface tension	Not relevant	Moist soil	Not relevant
Coumarin	Koc	42	Henry	Not relevant
CAS: 91-64-5	Conclusion	Very High	Dry soil	Not relevant
EC: 202-086-7	Surface tension	Not relevant	Moist soil	Not relevant
Allyl (cyclohexyloxy)acetate	Koc	152.71	Henry	6,23 Pa·m³/mol
CAS: 68901-15-5	Conclusion	High	Dry soil	Not relevant
EC: 272-657-3	Surface tension	Not relevant	Moist soil	Not relevant
Ethyl 2,3-epoxy-3-phenylbutyrate	Koc	240	Henry	Not relevant
CAS: 77-83-8	Conclusion	Moderate	Dry soil	Not relevant
EC: 201-061-8	Surface tension	Not relevant	Moist soil	Not relevant

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Allyl phenoxyacetate	Koc	156.05	Henry	2,41 Pa·m³/mol
CAS: 7493-74-5	Conclusion	High	Dry soil	Not relevant
EC: 231-335-2	Surface tension	Not relevant	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)
07 01 04*	other organic solvents, washing liquids and mother liquors	Hazardous

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

HP14 Ecotoxic, HP6 Acute Toxicity

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

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:

- 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

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

Contains more than 0.1 % of diisocyanates by weight. 1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:
(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).
2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:
(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label

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SECTION 15: REGULATORY INFORMATION (continued)

information: "As from 24 August 2023 adequate training is required before industrial or professional use".
3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.
4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:
(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).
(b) the training elements in points (a) and (b) of paragraph 5 for the following uses:
— handling open mixtures at ambient temperature (including foam tunnels)
— spraying in a ventilated booth
— application by roller
— application by brush
— application by dipping and pouring
— mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore
— cleaning and waste
— any other uses with similar exposure through the dermal and/or inhalation route
(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:
— handling incompletely cured articles (e.g. freshly cured, still warm)
— foundry applications
— maintenance and repair that needs access to equipment
— open handling of warm or hot formulations (> 45 °C)
— spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers)
— and any other uses with similar exposure through the dermal and/or
inhalation route.
5. Training elements:
(a) general training, including on-line training, on:
— chemistry of diisocyanates
— toxicity hazards (including acute toxicity)
— exposure to diisocyanates
— occupational exposure limit values
— how sensitisation can develop
— odour as indication of hazard
— importance of volatility for risk
— viscosity, temperature, and molecular weight of diisocyanates
— personal hygiene
— personal protective equipment needed, including practical instructions for its correct use and its limitations
— risk of dermal contact and inhalation exposure
— risk in relation to application process used
— skin and inhalation protection scheme
— ventilation
— cleaning, leakages, maintenance
— discarding empty packaging
— protection of bystanders
— identification of critical handling stages
— specific national code systems (if applicable)
— behaviour-based safety
— certification or documented proof that training has been successfully completed
(b) intermediate level training, including on-line training, on:
— additional behaviour-based aspects
— maintenance
— management of change
— evaluation of existing safety instructions
— risk in relation to application process used
— certification or documented proof that training has been successfully completed
(c) advanced training, including on-line training, on:
— any additional certification needed for the specific uses covered
— spraying outside a spraying booth
— open handling of hot or warm formulations (> 45 °C)
— certification or documented proof that training has been successfully completed
6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture (s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.

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SECTION 15: REGULATORY INFORMATION (continued)

7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.
8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.
9. Member States shall include in their reports pursuant to Article 117(1) the following information:
(a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law
(b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates
(c) national exposure limits for diisocyanates, if there are any
(d) information about enforcement activities related to this restriction.
10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.

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

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:
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. 1: 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 - Harmful if swallowed or in contact with skin.
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H332 - Harmful 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 Irrit. 2: H319 - Causes serious eye irritation.
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.
Skin Sens. 1B: 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.

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:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

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 -