PALO SANTO

Date of compilation: 25/11/2024 Version: 1

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

1.1 Product identifier: PALO SANTO

Other means of identification:

Not relevant

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

Relevant uses: Essence

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:

ECHOES MUM VE KOKU TASARIM PAZARLAMA VE SAN. A.Ş
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BOMONTİ / ŞİŞLİ - İSTANBUL
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1.4 Emergency telephone number: 114

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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning

Hazard statements:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Precautionary statements:

P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P391: Collect spillage.

Supplementary information:

Contains (-)-pin-2(10)-ene, (-)-pin-2(3)-ene, (1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene, (r)-p-mentha-1,8-diene, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Caryophyllene, Coumarin.

Substances that contribute to the classification

4-tert-butylcyclohexyl acetate; Eugenol

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture based on aromatising substances and preparations.

Components:

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

Identification	Chemical name/Classification		Concentration
CAS: 54464-57-2 EC: 259-174-3 Index: Non-applicable REACH: Non-applicable	**1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one**[1]	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 32210-23-4 EC: 250-954-9 Index: Non-applicable REACH: 01-2119976286-24-XXXX	**4-tert-butylcyclohexyl acetate**[1]	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Skin Sens. 1B: H317 - Warning	
CAS: 18479-58-8 EC: 242-362-4 Index: Non-applicable REACH: 01-2119457274-37-XXXX	**2,6-dimethyloct-7-en-2-ol**[1]	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H336 - Warning	
CAS: 8050-15-5 EC: 232-476-2 Index: Non-applicable REACH: 01-2119969275-26-XXXX	**Resin acids and Rosin acids, hydrogenated, Me esters**[1]	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 97-53-0 EC: 202-589-1 Index: Non-applicable REACH: 01-2119971802-33-XXXX	**Eugenol**[1]	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	
CAS: 87-44-5 EC: 201-746-1 Index: Non-applicable REACH: 01-2120745237-53-XXXX	**Caryophyllene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	
CAS: 91-64-5 EC: 202-086-7 Index: Non-applicable REACH: 01-2119943756-26-XXXX	**Coumarin**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Sens. 1: H317 - Warning	
CAS: 7785-26-4 EC: 232-077-3 Index: Non-applicable REACH: 01-2119979519-16-XXXX	**(-)-pin-2(3)-ene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	
CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH: 01-2119529223-47-XXXX	**(r)-p-mentha-1,8-diene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: 18172-67-3 EC: 242-060-2 Index: Non-applicable REACH: 01-2119519230-54-XXXX	**(-)-pin-2(10)-ene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	
CAS: 469-61-4 EC: 207-418-4 Index: Non-applicable REACH: Non-applicable	**Alpha-cedrene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304 - Danger	
CAS: 498-15-7 EC: 207-856-6 Index: Non-applicable REACH: 01-2119520252-55-XXXX	**(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: 546-28-1 EC: 208-898-8 Index: Non-applicable REACH: Non-applicable	**[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene**[1]	Self-classified	**<0,1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Asp. Tox. 1: H304 - Danger	

[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.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Other information:

Identification		M-factor	
Alpha-cedrene		Acute	10
CAS: 469-61-4	EC: 207-418-4	Chronic	10
[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene		Acute	10
CAS: 546-28-1	EC: 208-898-8	Chronic	10

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
Coumarin	LD50 oral	293 mg/kg	Rat
CAS: 91-64-5	LD50 dermal	293 mg/kg	Rat
EC: 202-086-7	LC50 inhalation	Not relevant	
(-)-pin-2(3)-ene	LD50 oral	500 mg/kg	Rat
CAS: 7785-26-4	LD50 dermal	Not relevant	
EC: 232-077-3	LC50 inhalation	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:

This product is not classified as hazardous through inhalation.

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, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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SECTION 5: FIREFIGHTING MEASURES (continued)

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

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

Additional provisions:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. 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:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

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

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

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: -

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SECTION 7: HANDLING AND STORAGE (continued)

Maximum Temp.: -

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):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,6-dimethyloct-7-en-2-ol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 18479-58-8	Dermal	Not relevant	Not relevant	20,8 mg/kg	Not relevant
EC: 242-362-4	Inhalation	Not relevant	Not relevant	73,5 mg/m³	Not relevant
Resin acids and Rosin acids, hydrogenated, Me esters	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 8050-15-5	Dermal	Not relevant	Not relevant	7,77 mg/kg	Not relevant
EC: 232-476-2	Inhalation	Not relevant	Not relevant	Not relevant	10 mg/m³
Eugenol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 97-53-0	Dermal	Not relevant	Not relevant	6 mg/kg	Not relevant
EC: 202-589-1	Inhalation	Not relevant	Not relevant	21,2 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
(-)-pin-2(3)-ene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 7785-26-4	Dermal	Not relevant	Not relevant	1,76 mg/kg	Not relevant
EC: 232-077-3	Inhalation	Not relevant	Not relevant	6,03 mg/m³	Not relevant
(r)-p-mentha-1,8-diene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 5989-27-5	Dermal	Not relevant	Not relevant	9,5 mg/kg	Not relevant
EC: 227-813-5	Inhalation	Not relevant	Not relevant	66,7 mg/m³	Not relevant
(-)-pin-2(10)-ene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 18172-67-3	Dermal	Not relevant	Not relevant	0,8 mg/kg	Not relevant
EC: 242-060-2	Inhalation	Not relevant	Not relevant	5,69 mg/m³	Not relevant
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 498-15-7	Dermal	Not relevant	Not relevant	2,45 mg/kg	Not relevant
EC: 207-856-6	Inhalation	Not relevant	Not relevant	8,63 mg/m³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,6-dimethyloct-7-en-2-ol	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: 18479-58-8	Dermal	Not relevant	Not relevant	12,5 mg/kg	Not relevant
EC: 242-362-4	Inhalation	Not relevant	Not relevant	21,7 mg/m³	Not relevant
Resin acids and Rosin acids, hydrogenated, Me esters	Oral	Not relevant	Not relevant	3,885 mg/kg	Not relevant
CAS: 8050-15-5	Dermal	Not relevant	Not relevant	3,885 mg/kg	Not relevant
EC: 232-476-2	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Eugenol	Oral	Not relevant	Not relevant	3 mg/kg	Not relevant
CAS: 97-53-0	Dermal	Not relevant	Not relevant	3 mg/kg	Not relevant
EC: 202-589-1	Inhalation	Not relevant	Not relevant	5,22 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
(-)-pin-2(3)-ene	Oral	Not relevant	Not relevant	0,628 mg/kg	Not relevant
CAS: 7785-26-4	Dermal	Not relevant	Not relevant	0,628 mg/kg	Not relevant
EC: 232-077-3	Inhalation	Not relevant	Not relevant	1,07 mg/m³	Not relevant
(r)-p-mentha-1,8-diene	Oral	Not relevant	Not relevant	4,8 mg/kg	Not relevant
CAS: 5989-27-5	Dermal	Not relevant	Not relevant	4,8 mg/kg	Not relevant
EC: 227-813-5	Inhalation	Not relevant	Not relevant	16,6 mg/m³	Not relevant
(-)-pin-2(10)-ene	Oral	Not relevant	Not relevant	0,3 mg/kg	Not relevant
CAS: 18172-67-3	Dermal	Not relevant	Not relevant	0,3 mg/kg	Not relevant
EC: 242-060-2	Inhalation	Not relevant	Not relevant	1 mg/m³	Not relevant
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	Oral	Not relevant	Not relevant	0,875 mg/kg	Not relevant
CAS: 498-15-7	Dermal	Not relevant	Not relevant	0,875 mg/kg	Not relevant
EC: 207-856-6	Inhalation	Not relevant	Not relevant	1,52 mg/m³	Not relevant

PNEC:

Identification				
4-tert-butylcyclohexyl acetate	STP	12,2 mg/L	Fresh water	0,0053 mg/L
CAS: 32210-23-4	Soil	0,42 mg/kg	Marine water	0,00053 mg/L
EC: 250-954-9	Intermittent	0,053 mg/L	Sediment (Fresh water)	2,01 mg/kg
	Oral	0,06667 g/kg	Sediment (Marine water)	0,21 mg/kg
2,6-dimethyloct-7-en-2-ol	STP	10 mg/L	Fresh water	0,0278 mg/L
CAS: 18479-58-8	Soil	0,103 mg/kg	Marine water	0,00278 mg/L
EC: 242-362-4	Intermittent	0,278 mg/L	Sediment (Fresh water)	0,594 mg/kg
	Oral	0,111 g/kg	Sediment (Marine water)	0,059 mg/kg
Resin acids and Rosin acids, hydrogenated, Me esters	STP	1,26 mg/L	Fresh water	0,027 mg/L
CAS: 8050-15-5	Soil	15,35 mg/kg	Marine water	0,003 mg/L
EC: 232-476-2	Intermittent	0,27 mg/L	Sediment (Fresh water)	77,05 mg/kg
	Oral	Not relevant	Sediment (Marine water)	7,7 mg/kg
Eugenol	STP	Not relevant	Fresh water	0,00113 mg/L
CAS: 97-53-0	Soil	0,015 mg/kg	Marine water	0,000113 mg/L
EC: 202-589-1	Intermittent	0,0113 mg/L	Sediment (Fresh water)	0,081 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,008 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
(-)-pin-2(3)-ene	STP	0,2 mg/L	Fresh water	0,000606 mg/L
CAS: 7785-26-4	Soil	0,0317 mg/kg	Marine water	0,000061 mg/L
EC: 232-077-3	Intermittent	0,00303 mg/L	Sediment (Fresh water)	0,157 mg/kg
	Oral	0,00876 g/kg	Sediment (Marine water)	0,0157 mg/kg
(r)-p-mentha-1,8-diene	STP	1,8 mg/L	Fresh water	0,014 mg/L
CAS: 5989-27-5	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
EC: 227-813-5	Intermittent	Not relevant	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
(-)-pin-2(10)-ene	STP	3,26 mg/L	Fresh water	0,001004 mg/L
CAS: 18172-67-3	Soil	0,067 mg/kg	Marine water	0,0001 mg/L
EC: 242-060-2	Intermittent	Not relevant	Sediment (Fresh water)	0,337 mg/kg
	Oral	0,0131 g/kg	Sediment (Marine water)	0,034 mg/kg
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	STP	3,26 mg/L	Fresh water	0,001 mg/L
CAS: 498-15-7	Soil	0,0473 mg/kg	Marine water	0,0001 mg/L
EC: 207-856-6	Intermittent	Not relevant	Sediment (Fresh water)	0,237 mg/kg
	Oral	0,0248 g/kg	Sediment (Marine water)	0,0237 mg/kg

8.2 Exposure controls:

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

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

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 120 min, Thickness: 0.2 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

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 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

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

V.O.C. (Supply):	5,6 % weight
V.O.C. density at 20 ºC:	Not relevant
Average carbon number:	10
Average molecular weight:	150,56 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:	Not available
Colour:	Light yellow , Colourless
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	>40 ºC
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:	Not relevant *
Relative density at 20 ºC:	0,933 – 0,943
Dynamic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 40 ºC:	Not relevant *
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:

*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)

Flash Point:	>100 ºC
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	>200 ºC
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

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	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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

Dangerous health implications:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: 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.

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

- Contact with the skin: Produces skin inflammation.
- 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: Eugenol (3); Coumarin (3); (r)-p-mentha-1,8-diene (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, 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
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LD50 oral	>2000 mg/kg	
CAS: 54464-57-2	LD50 dermal	>2000 mg/kg	
EC: 259-174-3	LC50 inhalation	>20 mg/L	
4-tert-butylcyclohexyl acetate	LD50 oral	3370 mg/kg	
CAS: 32210-23-4	LD50 dermal	>2000 mg/kg	
EC: 250-954-9	LC50 inhalation	>20 mg/L	
2,6-dimethyloct-7-en-2-ol	LD50 oral	3600 mg/kg	
CAS: 18479-58-8	LD50 dermal	>2000 mg/kg	
EC: 242-362-4	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Resin acids and Rosin acids, hydrogenated, Me esters	LD50 oral	>2000 mg/kg	
CAS: 8050-15-5	LD50 dermal	>2000 mg/kg	
EC: 232-476-2	LC50 inhalation	>20 mg/L	
Eugenol	LD50 oral	2300 mg/kg	Rat
CAS: 97-53-0	LD50 dermal	>5000 mg/kg	
EC: 202-589-1	LC50 inhalation	>20 mg/L	
Caryophyllene	LD50 oral	>5000 mg/kg	Rat
CAS: 87-44-5	LD50 dermal	>2000 mg/kg	
EC: 201-746-1	LC50 inhalation	>20 mg/L	
Coumarin	LD50 oral	293 mg/kg	Rat
CAS: 91-64-5	LD50 dermal	293 mg/kg	Rat
EC: 202-086-7	LC50 inhalation	>5 mg/L	
(-)-pin-2(3)-ene	LD50 oral	500 mg/kg	Rat
CAS: 7785-26-4	LD50 dermal	>2000 mg/kg	
EC: 232-077-3	LC50 inhalation	>20 mg/L	
(r)-p-mentha-1,8-diene	LD50 oral	>2000 mg/kg	
CAS: 5989-27-5	LD50 dermal	>2000 mg/kg	
EC: 227-813-5	LC50 inhalation	>20 mg/L	
(-)-pin-2(10)-ene	LD50 oral	4800 mg/kg	Rat
CAS: 18172-67-3	LD50 dermal	>2000 mg/kg	
EC: 242-060-2	LC50 inhalation	>20 mg/L	
Alpha-cedrene	LD50 oral	>2000 mg/kg	
CAS: 469-61-4	LD50 dermal	>2000 mg/kg	
EC: 207-418-4	LC50 inhalation	>20 mg/L	
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	LD50 oral	4800 mg/kg	Rat
CAS: 498-15-7	LD50 dermal	>5000 mg/kg	Rabbit
EC: 207-856-6	LC50 inhalation	>20 mg/L	
[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene	LD50 oral	>2000 mg/kg	
CAS: 546-28-1	LD50 dermal	>2000 mg/kg	
EC: 208-898-8	LC50 inhalation	>20 mg/L	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

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

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

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

Toxic to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 54464-57-2	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 259-174-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
Resin acids and Rosin acids, hydrogenated, Me esters	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 8050-15-5	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 232-476-2	EC50	>10 - 100 mg/L (72 h)		Algae
Eugenol	LC50	60,8 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 97-53-0	EC50	Not relevant		
EC: 202-589-1	EC50	Not relevant		
Coumarin	LC50	1,3 mg/L (96 h)	QSAR	Fish
CAS: 91-64-5	EC50	8 mg/L (48 h)	QSAR	Fish
EC: 202-086-7	EC50	1,4 mg/L (96 h)	QSAR	Fish
(-)-pin-2(3)-ene	LC50	0,3 mg/L (96 h)	Danio rerio	Fish
CAS: 7785-26-4	EC50	0,47 mg/L (48 h)	Daphnia magna	Crustacean
EC: 232-077-3	EC50	Not relevant		
(r)-p-mentha-1,8-diene	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 5989-27-5	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 227-813-5	EC50	>0.1 - 1 mg/L (72 h)		Algae
(-)-pin-2(10)-ene	LC50	0,56 mg/L (96 h)	Cyprinus carpio	Fish
CAS: 18172-67-3	EC50	1,2 mg/L (48 h)	Daphnia magna	Crustacean
EC: 242-060-2	EC50	0,7 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Alpha-cedrene	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 469-61-4	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 207-418-4	EC50	>0.1 - 1 mg/L (72 h)		Algae
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	LC50	Not relevant		
CAS: 498-15-7	EC50	0,8 mg/L (48 h)	Daphnia magna	Crustacean
EC: 207-856-6	EC50	0,45 mg/L (72 h)	N/A	Algae
[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene	LC50	Not relevant		
CAS: 546-28-1	EC50	0,015 mg/L (48 h)	QSAR	Fish
EC: 208-898-8	EC50	Not relevant		

Chronic toxicity:

Identification	Concentration		Species	Genus
2,6-dimethyloct-7-en-2-ol	NOEC	Not relevant		
CAS: 18479-58-8 EC: 242-362-4	NOEC	9,5 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2,6-dimethyloct-7-en-2-ol	BOD5	Not relevant	Concentration	10 mg/L
CAS: 18479-58-8	COD	Not relevant	Period	28 days
EC: 242-362-4	BOD5/COD	Not relevant	% Biodegradable	72 %
Coumarin	BOD5	Not relevant	Concentration	100 mg/L
CAS: 91-64-5	COD	Not relevant	Period	28 days
EC: 202-086-7	BOD5/COD	Not relevant	% Biodegradable	100 %
(-)-pin-2(3)-ene	BOD5	Not relevant	Concentration	2 mg/L
CAS: 7785-26-4	COD	Not relevant	Period	28 days
EC: 232-077-3	BOD5/COD	Not relevant	% Biodegradable	78 %
(-)-pin-2(10)-ene	BOD5	Not relevant	Concentration	2 mg/L
CAS: 18172-67-3	COD	Not relevant	Period	28 days
EC: 242-060-2	BOD5/COD	Not relevant	% Biodegradable	76 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	BOD5	Not relevant	Concentration	Not relevant
CAS: 498-15-7	COD	Not relevant	Period	Not relevant
EC: 207-856-6	BOD5/COD	Not relevant	% Biodegradable	79,3 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Eugenol	BCF	31
CAS: 97-53-0	Pow Log	2.27
EC: 202-589-1	Potential	Moderate
(-)-pin-2(3)-ene	BCF	1250
CAS: 7785-26-4	Pow Log	4.5
EC: 232-077-3	Potential	Very High
(-)-pin-2(10)-ene	BCF	1100
CAS: 18172-67-3	Pow Log	4.4
EC: 242-060-2	Potential	Very High
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	BCF	1339
CAS: 498-15-7	Pow Log	
EC: 207-856-6	Potential	Very High
[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene	BCF	6000
CAS: 546-28-1	Pow Log	5.82
EC: 208-898-8	Potential	Very High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
(-)-pin-2(3)-ene	Koc	2180	Henry	Not relevant
CAS: 7785-26-4	Conclusion	Low	Dry soil	Not relevant
EC: 232-077-3	Surface tension	Not relevant	Moist soil	Not relevant
(-)-pin-2(10)-ene	Koc	2080	Henry	Not relevant
CAS: 18172-67-3	Conclusion	Low	Dry soil	Not relevant
EC: 242-060-2	Surface tension	2,685E-2 N/m (25 °C)	Moist soil	Not relevant
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	Koc	2339	Henry	Not relevant
CAS: 498-15-7	Conclusion	Not relevant	Dry soil	Not relevant
EC: 207-856-6	Surface tension	Not relevant	Moist soil	Not relevant
[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene	Koc	21700	Henry	39111,5 Pa·m³/mol
CAS: 546-28-1	Conclusion	Immobile	Dry soil	Yes
EC: 208-898-8	Surface tension	Not relevant	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

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

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Hazardous

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	274, 335, 375, 601
	Tunnel restriction code:	-
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Marine pollutant:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	335, 969, 274
	EmS Codes:	F-A, S-F
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Not relevant
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

SECTION 15: REGULATORY INFORMATION

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

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

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

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

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

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:
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H411: Toxic 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

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SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
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.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
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: H336 - May cause drowsiness or dizziness.

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1B: Calculation method
Aquatic Chronic 2: Calculation method

Advice related to training:

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

Principal bibliographical sources:

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

Abbreviations and acronyms:

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

- END OF SAFETY DATA SHEET -