

## POMEGRANATE BLACK

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

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

- 1.1 Product identifier:** POMEGRANATE BLACK  
**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  
FERİKÖY FIRIN SOKAK NO: 69 KAT: 4 34360  
BOMONTI / ŞİŞLİ - İSTANBUL  
T + 90 212 231 41 54  
info@candlelab.com.tr - www.candlelab.com.tr
- 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 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Hazard statements:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
**Precautionary statements:**  
P273: Avoid release to the environment.  
P391: Collect spillage.  
**Supplementary information:**  
EUH208: Contains (r)-p-mentha-1,8-diene, [3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene, Acetyl eugenol, α-methyl-1,3-benzodioxole-5-propionaldehyde, Caryophyllene, Eugenol, Hydroxy-citronellal. May produce an allergic reaction.
- 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:**  
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:

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

Identification	Chemical name/Classification	Concentration
CAS: 8050-15-5 EC: 232-476-2 Index: Non-applicable REACH:01-2119969275-26-XXXX	<b>Resin acids and Rosin acids, hydrogenated, Me esters<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412	1 - <2,5 %
CAS: 36306-87-3 EC: 252-961-2 Index: Non-applicable REACH:01-2120224905-56-XXXX	<b>4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Irrit. 2: H315 - Warning	1 - <2,5 %
CAS: 97-53-0 EC: 202-589-1 Index: Non-applicable REACH:01-2119971802-33-XXXX	<b>Eugenol<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 67874-81-1 EC: 267-510-5 Index: Non-applicable REACH:01-2120228335-61-XXXX	<b>[3R-(3α,3aβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 107-75-5 EC: 203-518-7 Index: Non-applicable REACH:01-2119973482-31-XXXX	<b>Hydroxy-citronellal<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 87-44-5 EC: 201-746-1 Index: Non-applicable REACH:01-2120745237-53-XXXX	<b>Caryophyllene<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	0,1 - <1 %
CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH:01-2119529223-47-XXXX	<b>(r)-p-mentha-1,8-diene<sup>(1)</sup></b> Self-classified 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	0,1 - <1 %
CAS: 1205-17-0 EC: 214-881-6 Index: Non-applicable REACH:01-2120740119-58-XXXX	<b>a-methyl-1,3-benzodioxole-5-propionaldehyde<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Repr. 2: H361; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 93-28-7 EC: 202-235-6 Index: Non-applicable REACH:01-2120749746-40-XXXX	<b>Acetyl eugenol<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 3738-00-9 EC: 223-118-6 Index: Non-applicable REACH:01-2119976315-31-XXXX	<b>Dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan<sup>(1)</sup></b> Not classified Regulation 1272/2008	0,1 - <1 %
CAS: 469-61-4 EC: 207-418-4 Index: Non-applicable REACH:Non-applicable	<b>Alpha-cedrene<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304 - Danger	<0,1 %
CAS: 71048-82-3 EC: 275-156-8 Index: Non-applicable REACH:01-2119535122-53-XXXX	<b>[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one<sup>(2)</sup></b> Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	<0,1 %

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

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

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

**Other information:**

Identification	M-factor
Alpha-cedrene	Acute 10
CAS: 469-61-4 EC: 207-418-4	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:

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

Identification	Acute toxicity		Genus
Acetyl eugenol	LD50 oral	1670 mg/kg	Rat
CAS: 93-28-7	LD50 dermal	Not relevant	
EC: 202-235-6	LC50 inhalation	Not relevant	
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	LD50 oral	1400 mg/kg	Rat
CAS: 71048-82-3	LD50 dermal	Not relevant	
EC: 275-156-8	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 does not contain substances classified as hazardous for inhalation.

##### 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:

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.

#### 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:

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### SECTION 5: FIREFIGHTING MEASURES (continued)

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 spilled 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.: -

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.

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### 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
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	7,77 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	10 mg/m³
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone CAS: 36306-87-3 EC: 252-961-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	1,94 mg/kg	Not relevant	1,94 mg/kg	Not relevant
	Inhalation	6,84 mg/m³	17,1 mg/m³	6,84 mg/m³	17,1 mg/m³
Eugenol CAS: 97-53-0 EC: 202-589-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	6 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	21,2 mg/m³	Not relevant
[3R-(3α,3αβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene CAS: 67874-81-1 EC: 267-510-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	16,1 mg/m³	Not relevant
Hydroxy-citronellal CAS: 107-75-5 EC: 203-518-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1,9 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	18 mg/m³	Not relevant
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	9,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	66,7 mg/m³	Not relevant
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,17 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,2 mg/m³	Not relevant
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one CAS: 71048-82-3 EC: 275-156-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,4 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,5 mg/m³	Not relevant

#### DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	Oral	Not relevant	Not relevant	3,885 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	3,885 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone CAS: 36306-87-3 EC: 252-961-2	Oral	0,97 mg/kg	Not relevant	0,97 mg/kg	Not relevant
	Dermal	0,97 mg/kg	Not relevant	0,97 mg/kg	Not relevant
	Inhalation	1,69 mg/m³	4,22 mg/m³	1,69 mg/m³	4,22 mg/m³
Eugenol CAS: 97-53-0 EC: 202-589-1	Oral	Not relevant	Not relevant	3 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	3 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	5,22 mg/m³	Not relevant
[3R-(3α,3αβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene CAS: 67874-81-1 EC: 267-510-5	Oral	Not relevant	Not relevant	2,7 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2,7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4,7 mg/m³	Not relevant
Hydroxy-citronellal CAS: 107-75-5 EC: 203-518-7	Oral	Not relevant	Not relevant	0,6 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1,1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	5,4 mg/m³	Not relevant

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	Oral	Not relevant	Not relevant	4,8 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	4,8 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	16,6 mg/m³	Not relevant
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	Oral	Not relevant	Not relevant	0,17 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,083 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,29 mg/m³	Not relevant
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one CAS: 71048-82-3 EC: 275-156-8	Oral	Not relevant	Not relevant	0,25 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,25 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,43 mg/m³	Not relevant

**PNEC:**

Identification					
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	STP	1,26 mg/L	Fresh water	0,027 mg/L	
	Soil	15,35 mg/kg	Marine water	0,003 mg/L	
	Intermittent	0,27 mg/L	Sediment (Fresh water)	77,05 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	7,7 mg/kg	
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone CAS: 36306-87-3 EC: 252-961-2	STP	10 mg/L	Fresh water	0,0084 mg/L	
	Soil	0,571 mg/kg	Marine water	0,00084 mg/L	
	Intermittent	0,084 mg/L	Sediment (Fresh water)	2,871 mg/kg	
	Oral	0,0065 g/kg	Sediment (Marine water)	0,287 mg/kg	
Eugenol CAS: 97-53-0 EC: 202-589-1	STP	Not relevant	Fresh water	0,00113 mg/L	
	Soil	0,015 mg/kg	Marine water	0,000113 mg/L	
	Intermittent	0,0113 mg/L	Sediment (Fresh water)	0,081 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,008 mg/kg	
[3R-(3α,3aβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene CAS: 67874-81-1 EC: 267-510-5	STP	100 mg/L	Fresh water	0,00043 mg/L	
	Soil	0,257 mg/kg	Marine water	0,000043 mg/L	
	Intermittent	Not relevant	Sediment (Fresh water)	1,29 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,129 mg/kg	
Hydroxy-citronellal CAS: 107-75-5 EC: 203-518-7	STP	10 mg/L	Fresh water	0,0316 mg/L	
	Soil	0,011 mg/kg	Marine water	0,00316 mg/L	
	Intermittent	0,316 mg/L	Sediment (Fresh water)	0,145 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,015 mg/kg	
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	STP	1,8 mg/L	Fresh water	0,014 mg/L	
	Soil	0,763 mg/kg	Marine water	0,0014 mg/L	
	Intermittent	Not relevant	Sediment (Fresh water)	3,85 mg/kg	
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg	
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	STP	10 mg/L	Fresh water	0,005 mg/L	
	Soil	0,008 mg/kg	Marine water	0,001 mg/L	
	Intermittent	0,053 mg/L	Sediment (Fresh water)	0,057 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,006 mg/kg	
Dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan CAS: 3738-00-9 EC: 223-118-6	STP	10 mg/L	Fresh water	0,0088 mg/L	
	Soil	0,925 mg/kg	Marine water	0,00088 mg/L	
	Intermittent	Not relevant	Sediment (Fresh water)	4,652 mg/kg	
	Oral	0,05333 g/kg	Sediment (Marine water)	0,465 mg/kg	
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one CAS: 71048-82-3 EC: 275-156-8	STP	2,41 mg/L	Fresh water	0,007 mg/L	
	Soil	0,177 mg/kg	Marine water	0,0007 mg/L	
	Intermittent	0,0035 mg/L	Sediment (Fresh water)	0,906 mg/kg	
	Oral	0,000074 g/kg	Sediment (Marine water)	0,0906 mg/kg	

**8.2 Exposure controls:**

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**



**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**



The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

**C.- Specific protection for the hands**



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 30 min, Thickness: 0.4 mm)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

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



**D.- Eye and face protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

**E.- Body protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2022	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2007

**F.- Additional emergency measures**

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):	0,4 % weight
V.O.C. density at 20 °C:	0 kg/m³ (0 g/L)
Average carbon number:	10
Average molecular weight:	136,2 g/mol

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

##### Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not available
Colour:	Light yellow , Colourless
Odour:	Characteristic
Odour threshold:	Not relevant *

##### Volatility:

Boiling point at atmospheric pressure:	>40 °C
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	Not relevant *
Evaporation rate at 20 °C:	Not relevant *

##### Product description:

Density at 20 °C:	Not relevant *
Relative density at 20 °C:	0.927 - 0.937
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

##### Flammability:

Flash Point:	>100 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	>200 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

##### Particle characteristics:

Median equivalent diameter:	Non-applicable
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#### 9.2 Other information:

##### Information with regard to physical hazard classes:

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

##### Other safety characteristics:

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

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 °C: Not relevant \*

Refraction index: Not relevant \*

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

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

#### 10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

#### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
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<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

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

##### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

##### A- Ingestion (acute effect):

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

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### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Eugenol (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. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

#### E- Sensitizing effects:

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

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, 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
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	
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone	LD50 oral	>2000 mg/kg	
CAS: 36306-87-3	LD50 dermal	>2000 mg/kg	
EC: 252-961-2	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	
[3R-(3α,3aβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	LD50 oral	>5000 mg/kg	Rat
CAS: 67874-81-1	LD50 dermal	>2000 mg/kg	
EC: 267-510-5	LC50 inhalation	>20 mg/L	
Hydroxy-citronellal	LD50 oral	>2000 mg/kg	
CAS: 107-75-5	LD50 dermal	>2000 mg/kg	
EC: 203-518-7	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	
(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	
α-methyl-1,3-benzodioxole-5-propionaldehyde	LD50 oral	3550 mg/kg	Rat
CAS: 1205-17-0	LD50 dermal	>2000 mg/kg	
EC: 214-881-6	LC50 inhalation	>20 mg/L	

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Acetyl eugenol CAS: 93-28-7 EC: 202-235-6	LD50 oral	1670 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
Dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan CAS: 3738-00-9 EC: 223-118-6	LD50 oral	2500 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
Alpha-cedrene CAS: 469-61-4 EC: 207-418-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
[1 $\alpha$ (E),2 $\beta$ ]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one CAS: 71048-82-3 EC: 275-156-8	LD50 oral	1400 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	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

Harmful to aquatic life with long lasting effects.

## 12.1 Toxicity:

## Acute toxicity:

Identification	Concentration	Species	Genus
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	LC50 >10 - 100 mg/L (96 h)		Fish
	EC50 >10 - 100 mg/L (48 h)		Crustacean
	EC50 >10 - 100 mg/L (72 h)		Algae
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone CAS: 36306-87-3 EC: 252-961-2	LC50 9,1 mg/L (96 h)	Cyprinus carpio	Fish
	EC50 8,4 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 25 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Eugenol CAS: 97-53-0 EC: 202-589-1	LC50 60,8 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50 Not relevant		
	EC50 Not relevant		
[3R-(3 $\alpha$ ,3a $\beta$ ,6 $\alpha$ ,7 $\beta$ ,8 $\alpha$ )]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene CAS: 67874-81-1 EC: 267-510-5	LC50 0,43 mg/L (96 h)	Cyprinus carpio	Fish
	EC50 0,48 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 1 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	LC50 >0.1 - 1 mg/L (96 h)		Fish
	EC50 >0.1 - 1 mg/L (48 h)		Crustacean
	EC50 >0.1 - 1 mg/L (72 h)		Algae
a-methyl-1,3-benzodioxole-5-propionaldehyde CAS: 1205-17-0 EC: 214-881-6	LC50 5,3 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50 8 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Concentration	Species	Genus
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
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	LC50 0,97 mg/L (96 h)	Oryzias latipes	Fish
CAS: 71048-82-3	EC50 Not relevant		
EC: 275-156-8	EC50 2,5 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

**Chronic toxicity:**

Identification	Concentration	Species	Genus
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	NOEC Not relevant		
CAS: 71048-82-3 EC: 275-156-8	NOEC 0,35 mg/L	Daphnia magna	Crustacean

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability	Biodegradability
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone	BOD5 Not relevant	Concentration 30 mg/L
CAS: 36306-87-3	COD Not relevant	Period 28 days
EC: 252-961-2	BOD5/COD Not relevant	% Biodegradable 4 %
[3R-(3α,3aβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	BOD5 Not relevant	Concentration 2 mg/L
CAS: 67874-81-1	COD Not relevant	Period 28 days
EC: 267-510-5	BOD5/COD Not relevant	% Biodegradable 60 %
a-methyl-1,3-benzodioxole-5-propionaldehyde	BOD5 Not relevant	Concentration 100 mg/L
CAS: 1205-17-0	COD Not relevant	Period 28 days
EC: 214-881-6	BOD5/COD Not relevant	% Biodegradable 65 %
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	BOD5 Not relevant	Concentration 100 mg/L
CAS: 71048-82-3	COD Not relevant	Period 28 days
EC: 275-156-8	BOD5/COD Not relevant	% Biodegradable 16 %

**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
[3R-(3α,3aβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	BCF 4320
CAS: 67874-81-1	Pow Log 5.1
EC: 267-510-5	Potential Very High
a-methyl-1,3-benzodioxole-5-propionaldehyde	BCF
CAS: 1205-17-0	Pow Log 2.4
EC: 214-881-6	Potential
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	BCF 81
CAS: 71048-82-3	Pow Log 4.2
EC: 275-156-8	Potential Moderate

**12.4 Mobility in soil:**

Identification	Absorption/desorption	Volatility
4-(1-ethoxyvinyl)-3,3,5,5-tetramethylcyclohexanone	Koc Not relevant	Henry 2,02 Pa·m³/mol
CAS: 36306-87-3	Conclusion Not relevant	Dry soil Not relevant
EC: 252-961-2	Surface tension Not relevant	Moist soil Not relevant
[3R-(3α,3aβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	Koc 30200	Henry Not relevant
CAS: 67874-81-1	Conclusion Immobile	Dry soil Not relevant
EC: 267-510-5	Surface tension Not relevant	Moist soil Not relevant

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### SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
a-methyl-1,3-benzodioxole-5-propionaldehyde	Koc	71	Henry	Not relevant
CAS: 1205-17-0	Conclusion	Very High	Dry soil	Not relevant
EC: 214-881-6	Surface tension	Not relevant	Moist soil	Not relevant
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	Koc	1260	Henry	Not relevant
CAS: 71048-82-3	Conclusion	Low	Dry soil	Not relevant
EC: 275-156-8	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)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Hazardous

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

HP14 Ecotoxic

#### Waste management (disposal and evaluation):

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:

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

#### Transport of dangerous goods by sea:

With regard to IMDG 41-22:

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### SECTION 14: TRANSPORT INFORMATION (continued)

<b>14.1 UN number or ID number:</b>	Not relevant
<b>14.2 UN proper shipping name:</b>	Not relevant
<b>14.3 Transport hazard class(es):</b>	Not relevant
Labels:	Not relevant
<b>14.4 Packing group:</b>	Not relevant
<b>14.5 Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
Special regulations:	Not relevant
EmS Codes:	
Physico-Chemical properties:	see section 9
Limited quantities:	Not relevant
Segregation group:	Not relevant
<b>14.7 Maritime transport in bulk according to IMO instruments:</b>	Not relevant

#### Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:

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

Not relevant

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

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

#### Specific provisions in terms of protecting people or the environment:

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

#### Other legislation:

The product could be affected by sectorial legislation

#### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

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### 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. 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.

Repr. 2: H361 - Suspected of damaging fertility or the unborn child.

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.

#### Classification procedure:

Aquatic Chronic 3: Calculation method

#### Advice related to training:

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

#### 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

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- END OF SAFETY DATA SHEET -