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

- 1.1 Product identifier:** Grand Bazaar
Product code: 4368776
- 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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Carc. 2: Carcinogenicity, Category 2, H351
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning

Hazard statements:
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Carc. 2: H351 - Suspected of causing cancer.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Precautionary statements:
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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, [1s-(1α,3aβ,4α,8aβ)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene, Carvacrol, Caryophyllene, Cedryl acetate, Cineole, Citral, Eugenol, Evernia prunastri, ext., Linalool, Linalyl acetate .
Substances that contribute to the classification
musk ketone; (E)-2-methoxy-4-(prop-1-enyl)phenol
- 2.3 Other hazards:**

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to 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:

Identification	Chemical name/Classification	Concentration
CAS: 115-95-7 EC: 204-116-4 Index: Non-applicable REACH:01-2119454789-19-XXXX	Linalyl acetate ⁽¹⁾ Regulation 1272/2008 Self-classified Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	5 - <10 %
CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH:01-2119529223-47-XXXX	(r)-p-mentha-1,8-diene ⁽¹⁾ Regulation 1272/2008 Self-classified 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	1 - <5 %
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⁾ Regulation 1272/2008 Self-classified Aquatic Chronic 3: H412	1 - <5 %
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH:01-2119474016-42-XXXX	Linalool ⁽¹⁾ Regulation 1272/2008 Self-classified Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	1 - <5 %
CAS: 81-14-1 EC: 201-328-9 Index: 609-069-00-7 REACH:01-212076629-37-XXXX	musk ketone ⁽¹⁾ Regulation 1272/2008 ATP ATP01 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 2: H351 - Warning	1 - <5 %
CAS: 3407-42-9 EC: 222-294-1 Index: Non-applicable REACH:01-2119979583-21-XXXX	3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol ⁽¹⁾ Regulation 1272/2008 Self-classified Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Repr. 2: H361 - Warning	1 - <5 %
CAS: 97-53-0 EC: 202-589-1 Index: Non-applicable REACH:01-2119971802-33-XXXX	Eugenol ⁽¹⁾ Regulation 1272/2008 Self-classified Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 18172-67-3 EC: 242-060-2 Index: Non-applicable REACH:01-2119519230-54-XXXX	(-)-pin-2(10)-ene ⁽¹⁾ Regulation 1272/2008 Self-classified 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	0,1 - <1 %
CAS: 99-85-4 EC: 202-794-6 Index: Non-applicable REACH:01-2120780478-40-XXXX	p-mentha-1,4-diene ⁽¹⁾ Regulation 1272/2008 Self-classified Aquatic Chronic 2: H411; Flam. Liq. 3: H226; Repr. 2: H361 - Warning	0,1 - <1 %
CAS: 7785-26-4 EC: 232-077-3 Index: Non-applicable REACH:01-2119979519-16-XXXX	(-)-pin-2(3)-ene ⁽¹⁾ Regulation 1272/2008 Self-classified 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	0,1 - <1 %
CAS: 87-44-5 EC: 201-746-1 Index: Non-applicable REACH:01-2120745237-53-XXXX	Caryophyllene ⁽¹⁾ Regulation 1272/2008 Self-classified Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	0,1 - <1 %

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 470-82-6 EC: 207-431-5 Index: Non-applicable REACH:01-2119967772-24-XXXX	Cineole⁽¹⁾ Self-classified Regulation 1272/2008 Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 475-20-7 EC: 207-491-2 Index: Non-applicable REACH:01-2120735663-52-XXXX	[1s-(1α,3αβ,4α,8αβ)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	0,1 - <1 %
CAS: 99-87-6 EC: 202-796-7 Index: 601-094-00-1 REACH:01-2119881770-31-XXXX	p-cymene⁽¹⁾ ATP ATP17 Regulation 1272/2008 Acute Tox. 3: H331; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226 - Danger	0,1 - <1 %
CAS: 123-35-3 EC: 204-622-5 Index: Non-applicable REACH:01-2119514321-56-XXXX	7-methyl-3-methyleneocta-1,6-diene⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Danger	0,1 - <1 %
CAS: 77-54-3 EC: 201-036-1 Index: Non-applicable REACH:01-2120739845-42-XXXX	Cedryl acetate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH:01-2119462829-23-XXXX	Citral⁽¹⁾ ATP CLP00 Regulation 1272/2008 Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	0,1 - <1 %
CAS: 469-61-4 EC: 207-418-4 Index: Non-applicable REACH:Non-applicable	Alpha-cedrene⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304 - Danger	0,1 - <1 %
CAS: 90028-68-5 EC: 289-861-3 Index: Non-applicable REACH:01-2120762419-46-XXXX	Evernia prunastri, ext.⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 499-75-2 EC: 207-889-6 Index: Non-applicable REACH:01-2120763813-49-XXXX	Carvacrol⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
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 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	0,1 - <1 %
CAS: 5932-68-3 EC: 227-678-2 Index: 604-094-00-X REACH:01-2120223682-61-XXXX	(E)-2-methoxy-4-(prop-1-enyl)phenol⁽¹⁾ Self-classified 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	<0,1 %
CAS: 546-28-1 EC: 208-898-8 Index: Non-applicable REACH:Non-applicable	[3R-(3α,3αβ,7β,8αα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Asp. Tox. 1: H304 - Danger	<0,1 %

⁽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	M-factor	
	Acute	Chronic
[1s-(1α,3αβ,4α,8αβ)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene CAS: 475-20-7 EC: 207-491-2	10	1
Alpha-cedrene CAS: 469-61-4 EC: 207-418-4	10	10
[3R-(3α,3αβ,7β,8αα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene CAS: 546-28-1 EC: 208-898-8	10	10

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	% (w/w) >=0,01: Skin Sens. 1A - H317

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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

By inhalation:

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

By skin contact:

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

By eye contact:

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

By ingestion/aspiration:

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

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

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

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

Non-applicable

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:

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.

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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.- Technical measures for storage

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.

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):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,75 mg/m ³	Non-applicable
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	9,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	66,7 mg/m ³	Non-applicable
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	7,77 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	10 mg/m ³
Linalool CAS: 78-70-6 EC: 201-134-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	24,58 mg/m ³	Non-applicable
musk ketone CAS: 81-14-1 EC: 201-328-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,563 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,247 mg/m ³	Non-applicable
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,75 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	13,2 mg/m ³	Non-applicable
Eugenol CAS: 97-53-0 EC: 202-589-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	21,2 mg/m ³	Non-applicable
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,8 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5,69 mg/m ³	Non-applicable
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,939 mg/m ³	Non-applicable
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,76 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6,03 mg/m ³	Non-applicable
Cineole CAS: 470-82-6 EC: 207-431-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	7,05 mg/m ³	Non-applicable
p-cymene CAS: 99-87-6 EC: 202-796-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,88 mg/m ³	Non-applicable
Cedryl acetate CAS: 77-54-3 EC: 201-036-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,181 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,639 mg/m ³	Non-applicable
Citral CAS: 5392-40-5 EC: 226-394-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,7 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	9 mg/m ³	Non-applicable
Carvacrol CAS: 499-75-2 EC: 207-889-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,124 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,439 mg/m ³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,45 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,63 mg/m ³	Non-applicable
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,71 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	Oral	Non-applicable	Non-applicable	0,2 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,68 mg/m ³	Non-applicable
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	Oral	Non-applicable	Non-applicable	4,8 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	4,8 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	16,6 mg/m ³	Non-applicable
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	Oral	Non-applicable	Non-applicable	3,885 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,885 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Linalool CAS: 78-70-6 EC: 201-134-4	Oral	Non-applicable	Non-applicable	2,49 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,33 mg/m ³	Non-applicable
musk ketone CAS: 81-14-1 EC: 201-328-9	Oral	Non-applicable	Non-applicable	0,025 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,067 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,0435 mg/m ³	Non-applicable
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	Oral	Non-applicable	Non-applicable	1,88 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,88 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3,26 mg/m ³	Non-applicable
Eugenol CAS: 97-53-0 EC: 202-589-1	Oral	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5,22 mg/m ³	Non-applicable
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	Oral	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1 mg/m ³	Non-applicable
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	Oral	Non-applicable	Non-applicable	0,417 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,417 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,725 mg/m ³	Non-applicable
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	Oral	Non-applicable	Non-applicable	0,628 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,628 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,07 mg/m ³	Non-applicable
Cineole CAS: 470-82-6 EC: 207-431-5	Oral	Non-applicable	Non-applicable	600 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,74 mg/m ³	Non-applicable
p-cymene CAS: 99-87-6 EC: 202-796-7	Oral	Non-applicable	Non-applicable	0,125 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,125 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,22 mg/m ³	Non-applicable
Cedryl acetate CAS: 77-54-3 EC: 201-036-1	Oral	Non-applicable	Non-applicable	0,091 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,091 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,158 mg/m ³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Citral CAS: 5392-40-5 EC: 226-394-6	Oral	Non-applicable	Non-applicable	0,6 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,7 mg/m ³	Non-applicable
Carvacrol CAS: 499-75-2 EC: 207-889-6	Oral	Non-applicable	Non-applicable	0,0444 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,0444 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,0773 mg/m ³	Non-applicable
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	Oral	Non-applicable	Non-applicable	0,875 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,875 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,52 mg/m ³	Non-applicable
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	Oral	Non-applicable	Non-applicable	0,85 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,85 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,5 mg/m ³	Non-applicable

PNEC:

Identification				
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	STP	1 mg/L	Fresh water	0,011 mg/L
	Soil	0,115 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,11 mg/L	Sediment (Fresh water)	0,609 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,061 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	Non-applicable	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg
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	Non-applicable	Sediment (Marine water)	7,7 mg/kg
Linalool CAS: 78-70-6 EC: 201-134-4	STP	10 mg/L	Fresh water	0,2 mg/L
	Soil	0,327 mg/kg	Marine water	0,02 mg/L
	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg
musk ketone CAS: 81-14-1 EC: 201-328-9	STP	10 mg/L	Fresh water	0,000244 mg/L
	Soil	0,0122 mg/kg	Marine water	0,0000244 mg/L
	Intermittent	0,00244 mg/L	Sediment (Fresh water)	0,0618 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00618 mg/kg
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	STP	0,1 mg/L	Fresh water	0,00296 mg/L
	Soil	0,0128 mg/kg	Marine water	0,000296 mg/L
	Intermittent	0,0259 mg/L	Sediment (Fresh water)	0,0725 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00725 mg/kg
Eugenol CAS: 97-53-0 EC: 202-589-1	STP	Non-applicable	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	Non-applicable	Sediment (Marine water)	0,008 mg/kg
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	STP	3,26 mg/L	Fresh water	0,001004 mg/L
	Soil	0,067 mg/kg	Marine water	0,0001 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,337 mg/kg
	Oral	0,0131 g/kg	Sediment (Marine water)	0,034 mg/kg
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	STP	10 mg/L	Fresh water	0,003 mg/L
	Soil	0,423 mg/kg	Marine water	0 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,49 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,049 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	STP	0,2 mg/L	Fresh water	0,000606 mg/L
	Soil	0,0317 mg/kg	Marine water	0,000061 mg/L
	Intermittent	0,00303 mg/L	Sediment (Fresh water)	0,157 mg/kg
	Oral	0,00876 g/kg	Sediment (Marine water)	0,0157 mg/kg
Cineole CAS: 470-82-6 EC: 207-431-5	STP	10 mg/L	Fresh water	0,057 mg/L
	Soil	0,25 mg/kg	Marine water	0,0057 mg/L
	Intermittent	0,57 mg/L	Sediment (Fresh water)	1,425 mg/kg
	Oral	0,04 g/kg	Sediment (Marine water)	0,142 mg/kg
p-cymene CAS: 99-87-6 EC: 202-796-7	STP	10 mg/L	Fresh water	0,004 mg/L
	Soil	0,302 mg/kg	Marine water	0 mg/L
	Intermittent	0,037 mg/L	Sediment (Fresh water)	1,52 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,152 mg/kg
Cedryl acetate CAS: 77-54-3 EC: 201-036-1	STP	0,003 mg/L	Fresh water	0 mg/L
	Soil	0,009 mg/kg	Marine water	0 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,011 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,001 mg/kg
Citral CAS: 5392-40-5 EC: 226-394-6	STP	1,6 mg/L	Fresh water	0,007 mg/L
	Soil	0,021 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,068 mg/L	Sediment (Fresh water)	0,125 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
Carvacrol CAS: 499-75-2 EC: 207-889-6	STP	0,757 mg/L	Fresh water	0,00405 mg/L
	Soil	0,119 mg/kg	Marine water	0,000405 mg/L
	Intermittent	0,0405 mg/L	Sediment (Fresh water)	0,609 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0609 mg/kg
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	STP	3,26 mg/L	Fresh water	0,001 mg/L
	Soil	0,0473 mg/kg	Marine water	0,0001 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,237 mg/kg
	Oral	0,0248 g/kg	Sediment (Marine water)	0,0237 mg/kg
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	STP	10 mg/L	Fresh water	0,0047 mg/L
	Soil	0,007 mg/kg	Marine water	0,00047 mg/L
	Intermittent	0,047 mg/L	Sediment (Fresh water)	0,047 mg/kg
	Oral	0,0415 g/kg	Sediment (Marine water)	0,005 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

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	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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 20347:2012	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 20345:2012 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):	11,1 % weight
V.O.C. density at 20 °C:	Non-applicable
Average carbon number:	10
Average molecular weight:	143,31 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 °C:	Liquid
Appearance:	Not available
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	>40 °C
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *

*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)

Product description:

Density at 20 °C:	Non-applicable *
Relative density at 20 °C:	0,927 - 0,937
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	84 °C
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

*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.

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:

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SECTION 10: STABILITY AND REACTIVITY (continued)

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

Contains substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

SECTION 11: TOXICOLOGICAL INFORMATION

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

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

Dangerous health implications:

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

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: 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: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

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

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.
IARC: (r)-p-mentha-1,8-diene (3); Eugenol (3); 7-methyl-3-methylenoocta-1,6-diene (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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

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

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.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	LD50 oral	14500 mg/kg	Rat
	LD50 dermal	5610 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Resin acids and Rosin acids, hydrogenated, Me esters CAS: 8050-15-5 EC: 232-476-2	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Linalool CAS: 78-70-6 EC: 201-134-4	LD50 oral	3000 mg/kg	Rat
	LD50 dermal	5610 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
musk ketone CAS: 81-14-1 EC: 201-328-9	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
p-cymene CAS: 99-87-6 EC: 202-796-7	LD50 oral	5800 mg/kg	Rat
	LD50 dermal	12200 mg/kg	Rabbit
	LC50 inhalation	3 mg/L (4 h)	Rat
Eugenol CAS: 97-53-0 EC: 202-589-1	LD50 oral	2300 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	LD50 oral	4800 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	LD50 oral	3850 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Caryophyllene CAS: 87-44-5 EC: 201-746-1	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Cineole CAS: 470-82-6 EC: 207-431-5	LD50 oral	2480 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
[1s-(1 α ,3 α ,4 α ,8 α)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene CAS: 475-20-7 EC: 207-491-2	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
7-methyl-3-methyleneocta-1,6-diene CAS: 123-35-3 EC: 204-622-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Cedryl acetate CAS: 77-54-3 EC: 201-036-1	LD50 oral	44750 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
Citral CAS: 5392-40-5 EC: 226-394-6	LD50 oral	4950 mg/kg	Rat
	LD50 dermal	2250 mg/kg	Rabbit
	LC50 inhalation	>20 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	
Evernia prunastri, ext. CAS: 90028-68-5 EC: 289-861-3	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Carvacrol CAS: 499-75-2 EC: 207-889-6	LD50 oral	810 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	10000 mg/L (7 h)	Rat
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	LD50 oral	4800 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	LD50 oral	450 mg/kg	Rat
	LD50 dermal	1911 mg/kg	Rat
	LC50 inhalation	11 mg/L (4 h)	
[3R-(3α,3aβ,7β,8α)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene CAS: 546-28-1 EC: 208-898-8	LD50 oral	>2000 mg/kg	
	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	750 mg/L (4 h) (Calculation method)	0 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
	LC50	EC50		
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	LC50	11 mg/L (96 h)	Cyprinus carpio	Fish
	EC50	15 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	62 mg/L (72 h)	Desmodesmus subspicatus	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

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SECTION 12: ECOLOGICAL INFORMATION (continued)

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
musk ketone CAS: 81-14-1 EC: 201-328-9	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
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	LC50	17,6 mg/L (96 h)	Danio rerio
	EC50	2,59 mg/L (48 h)	Daphnia magna
	EC50	47 mg/L (72 h)	Desmodesmus subspicatus
Eugenol CAS: 97-53-0 EC: 202-589-1	LC50	60,8 mg/L (96 h)	Oncorhynchus mykiss
	EC50	Non-applicable	
	EC50	Non-applicable	
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	LC50	0,56 mg/L (96 h)	Cyprinus carpio
	EC50	1,2 mg/L (48 h)	Daphnia magna
	EC50	0,7 mg/L (72 h)	Pseudokirchneriella subcapitata
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	LC50	2,8 mg/L (96 h)	N/A
	EC50	10,2 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	LC50	0,3 mg/L (96 h)	Danio rerio
	EC50	0,47 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
[1s-(1α,3αβ,4α,8αβ)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene CAS: 475-20-7 EC: 207-491-2	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
p-cymene CAS: 99-87-6 EC: 202-796-7	LC50	48 mg/L (96 h)	Cyprionodon variegatus
	EC50	3,7 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
7-methyl-3-methyleneocta-1,6-diene CAS: 123-35-3 EC: 204-622-5	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
Cedryl acetate CAS: 77-54-3 EC: 201-036-1	LC50	15,61 mg/L (96 h)	Danio rerio
	EC50	0,33 mg/L (48 h)	Daphnia magna
	EC50	0,31 mg/L (72 h)	Pseudokirchneriella subcapitata
Citral CAS: 5392-40-5 EC: 226-394-6	LC50	6,1 mg/L (24 h)	Oryzias latipes
	EC50	11 mg/L (24 h)	Daphnia magna
	EC50	16 mg/L (72 h)	Scenedesmus subspicatus
Alpha-cedrene CAS: 469-61-4 EC: 207-418-4	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
Carvacrol CAS: 499-75-2 EC: 207-889-6	LC50	6,17 mg/L (96 h)	Brachydanio rerio
	EC50	6,06 mg/L (48 h)	Daphnia magna
	EC50	4,05 mg/L (72 h)	Pseudokirchneriella subcapitata
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	LC50	Non-applicable	
	EC50	0,8 mg/L (48 h)	Daphnia magna
	EC50	0,45 mg/L (72 h)	N/A
[3R-(3α,3αβ,7β,8αα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene CAS: 546-28-1 EC: 208-898-8	LC50	Non-applicable	
	EC50	0,015 mg/L (48 h)	QSAR
	EC50	Non-applicable	Fish

Chronic toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	NOEC	0,14 mg/L	N/A
	NOEC	Non-applicable	Fish

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	BOD5	Non-applicable	Concentration	81 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	80 %
Linalool CAS: 78-70-6 EC: 201-134-4	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	BOD5	Non-applicable	Concentration	4 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	13,81 %
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	76 %
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	27 %
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	78 %
p-cymene CAS: 99-87-6 EC: 202-796-7	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	88 %
7-methyl-3-methyleneocta-1,6-diene CAS: 123-35-3 EC: 204-622-5	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	86 %
Cedryl acetate CAS: 77-54-3 EC: 201-036-1	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	73 %
Citral CAS: 5392-40-5 EC: 226-394-6	BOD5	0,56 g O2/g	Concentration	100 mg/L
	COD	1,99 g O2/g	Period	28 days
	BOD5/COD	0,28	% Biodegradable	92 %
Carvacrol CAS: 499-75-2 EC: 207-889-6	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	Non-applicable
	BOD5/COD	Non-applicable	% Biodegradable	18,1 %
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	Non-applicable
	BOD5/COD	Non-applicable	% Biodegradable	79,3 %
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	79 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	BCF	174
	Pow Log	3,9
	Potential	High

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Identification	Bioaccumulation potential	
Linalool CAS: 78-70-6 EC: 201-134-4	BCF	
	Pow Log	2.97
	Potential	
musk ketone CAS: 81-14-1 EC: 201-328-9	BCF	1380
	Pow Log	4.3
	Potential	Very High
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	BCF	1985
	Pow Log	
	Potential	Very High
Eugenol CAS: 97-53-0 EC: 202-589-1	BCF	31
	Pow Log	2.27
	Potential	Moderate
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	BCF	1100
	Pow Log	4.4
	Potential	Very High
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	BCF	1250
	Pow Log	4.5
	Potential	Very High
Cineole CAS: 470-82-6 EC: 207-431-5	BCF	
	Pow Log	2.74
	Potential	
p-cymene CAS: 99-87-6 EC: 202-796-7	BCF	286
	Pow Log	4.1
	Potential	High
7-methyl-3-methyleneocta-1,6-diene CAS: 123-35-3 EC: 204-622-5	BCF	324
	Pow Log	5.29
	Potential	High
Citral CAS: 5392-40-5 EC: 226-394-6	BCF	10
	Pow Log	3.45
	Potential	Low
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	BCF	1339
	Pow Log	
	Potential	Very High
(E)-2-methoxy-4-(prop-1-enyl)phenol CAS: 5932-68-3 EC: 227-678-2	BCF	
	Pow Log	2.1
	Potential	
[3R-(3 α ,3 β ,7 β ,8 α)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene CAS: 546-28-1 EC: 208-898-8	BCF	6000
	Pow Log	5.82
	Potential	Very High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Linalyl acetate CAS: 115-95-7 EC: 204-116-4	Koc	518	Henry	177 Pa·m ³ /mol
	Conclusion	Low	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
musk ketone CAS: 81-14-1 EC: 201-328-9	Koc	8700	Henry	1,925E-4 Pa·m ³ /mol
	Conclusion	Immobile	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	No
3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol CAS: 3407-42-9 EC: 222-294-1	Koc	209	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable

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Identification	Absorption/desorption		Volatility	
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	Koc	2080	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	2,685E-2 N/m (25 °C)	Moist soil	Non-applicable
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	Koc	8038	Henry	Non-applicable
	Conclusion	Immobile	Dry soil	Non-applicable
	Surface tension	2,991E-2 N/m (25 °C)	Moist soil	Non-applicable
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	Koc	2180	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
Cineole CAS: 470-82-6 EC: 207-431-5	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3,24E-2 N/m (25 °C)	Moist soil	Non-applicable
p-cymene CAS: 99-87-6 EC: 202-796-7	Koc	5011.87	Henry	1114,58 Pa·m ³ /mol
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	2,835E-2 N/m (25 °C)	Moist soil	Yes
7-methyl-3-methyleneocta-1,6-diene CAS: 123-35-3 EC: 204-622-5	Koc	1300	Henry	6515,2 Pa·m ³ /mol
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Yes
Carvacrol CAS: 499-75-2 EC: 207-889-6	Koc	1467	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	3,62E-2 N/m (25 °C)	Moist soil	Non-applicable
(1S)-3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS: 498-15-7 EC: 207-856-6	Koc	2339	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
[3R-(3α,3aβ,7β,8aα)]-octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene CAS: 546-28-1 EC: 208-898-8	Koc	21700	Henry	39111,5 Pa·m ³ /mol
	Conclusion	Immobile	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to 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	Dangerous

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

HP14 Ecotoxic, HP7 Carcinogenic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

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

Regulations related to waste management:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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 2021 and RID 2021:



- 14.1 **UN number or ID number:** UN3082
- 14.2 **UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (musk ketone; (r)-p-mentha-1,8-diene)
- 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:** Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



- 14.1 **UN number or ID number:** UN3082
- 14.2 **UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (musk ketone; (r)-p-mentha-1,8-diene)
- 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: Non-applicable
- 14.7 **Maritime transport in bulk according to IMO instruments:** Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



- 14.1 **UN number or ID number:** UN3082
- 14.2 **UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (musk ketone; (r)-p-mentha-1,8-diene)
- 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:** Non-applicable

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SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

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.:

Non-applicable

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.
- H351: Suspected of causing cancer.
- H319: Causes serious eye irritation.

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:



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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H331 - Toxic if inhaled.
 Acute Tox. 4: H302 - Harmful if swallowed.
 Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
 Aquatic Acute 1: H400 - Very toxic to aquatic life.
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
 Carc. 2: H351 - Suspected of causing cancer.
 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. 1A: H317 - May cause an allergic skin reaction.
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.
 STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Skin Irrit. 2: Calculation method
 Skin Sens. 1A: Calculation method
 Aquatic Chronic 2: Calculation method
 Carc. 2: Calculation method
 Eye Irrit. 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

Other information:

Safety Data Sheet author's

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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 -