FRESH BOTTLE ARCTIC BLACK

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

1.1 Product identifier: FRESH BOTTLE ARCTIC BLACK

Other means of identification:

Non-applicable

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

Relevant uses: Air freshener

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MB ELIX sp. z oo sp.k.
ul. Skarżyńskiego 26
54-530 Wrocław - Poland
Phone.: 0048 71 387 85 33 - Fax: 0048 71 722 29 68
lab@elix.pl
https://airfresh24.com/

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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008 (*Labelling of packages where the contents do not exceed 125 ml*)**:**

Warning

Hazard statements:

H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.

Supplementary information:

Contains (r)-p-mentha-1,8-diene, [3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one, [3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one, 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one, cineole, citronellol, coumarin, linalool, linalyl acetate, pin-2(10)-ene, α-hexylcinnamaldehyde.

UFI: 9VMF-GKNF-V10J-72CS

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Chemical description: Mixture composed of chemical products

Components:

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

Identification	Chemical name/Classification		Concentration
CAS: 56539-66-3 EC: 260-252-4 Index: Non-applicable REACH: 01-2119976333-33-XXXX	**3-methoxy-3-methylbutan-1-ol**(1)	Self-classified	**25 - <30 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 34590-94-8 EC: 252-104-2 Index: Non-applicable REACH: 01-2119450011-60-XXXX	**Dipropylene Glycol Methyl Ether**(2)	Not classified	**25 - <30 %**
	Regulation 1272/2008		
CAS: 54464-57-2 EC: 259-174-3 Index: Non-applicable REACH: Non-applicable	**1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one**(1)	Self-classified	**5 - <7,5 %**
	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 18479-58-8 EC: 242-362-4 Index: Non-applicable REACH: 01-2119457274-37-XXXX	**2,6-dimethyloct-7-en-2-ol**(1)	Self-classified	**3 - <4 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 77-54-3 EC: 201-036-1 Index: 01-2120739845-42-XXX REACH: Non-applicable	**[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate**(1)	Self-classified	**1 - <2 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	
CAS: 18479-57-7 EC: 242-361-9 Index: Non-applicable REACH: 01-2120756111-66-XXXX	**2,6-dimethyloctan-2-ol**(1)	Self-classified	**1 - <2 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 91-64-5 EC: 202-086-7 Index: 01-2119949300-45-XXX REACH: Non-applicable	**coumarin**(1)	Self-classified	**0,75 - <1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Sens. 1B: H317 - Warning	
CAS: 115-95-7 EC: 204-116-4 Index: Non-applicable REACH: Non-applicable	**linalyl acetate**(1)	Self-classified	**0,5 - <0,75 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH: Non-applicable	**(r)-p-mentha-1,8-diene**(1)	Self-classified	**0,5 - <0,75 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: 78-70-6 EC: 201-134-4 Index: Non-applicable REACH: Non-applicable	**linalool**(1)	Self-classified	**0,25 - <0,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 32388-55-9 EC: 251-020-3 Index: 01-2119969651-28-XXX REACH: Non-applicable	**[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one**(1)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning	
CAS: 106-22-9 EC: 203-375-0 Index: 01-2119453995-23-XXX REACH: Non-applicable	**citronellol**(1)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 127-91-3 EC: 204-872-5 Index: Non-applicable REACH: Non-applicable	**pin-2(10)-ene**(1)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: 101-86-0 EC: 202-983-3 Index: Non-applicable REACH: Non-applicable	**α-hexylcinnamaldehyde**(1)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	
CAS: 68901-15-5 EC: 272-657-3 Index: Non-applicable REACH: 01-2120770514-54-XXXX	**Allyl (cyclohexyloxy)acetate**(1)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830
(2) Substance with a Union workplace exposure limit

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 33704-61-9 EC: 251-649-3 Index: Non-applicable REACH: Non-applicable	**1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one(1)**	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 470-82-6 EC: 207-431-5 Index: Non-applicable REACH: Non-applicable	**cineole(1)**	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830
(2) Substance with a Union workplace exposure limit

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

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, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or 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:

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SECTION 5: FIREFIGHTING MEASURES (continued)

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

Additional provisions:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

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. Destroy 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.

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.- Precautions for safe manipulation

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

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

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

C.- Technical recommendations to prevent ergonomic and toxicological risks

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.:	5 ºC
Maximum Temp.:	35 ºC
Maximum time:	36 Months

B.- General conditions for storage

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

7.3 Specific end use(s):

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

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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):

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

Identification	Occupational exposure limits		
Dipropylene Glycol Methyl Ether	IOELV (8h)	50 ppm	308 mg/m³
CAS: 34590-94-8 EC: 252-104-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-methoxy-3-methylbutan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 56539-66-3	Dermal	Non-applicable	Non-applicable	6,25 mg/kg	Non-applicable
EC: 260-252-4	Inhalation	Non-applicable	Non-applicable	18 mg/m³	Non-applicable
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	283 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	308 mg/m³	Non-applicable
2,6-dimethyloct-7-en-2-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 18479-58-8	Dermal	Non-applicable	Non-applicable	20,8 mg/kg	Non-applicable
EC: 242-362-4	Inhalation	Non-applicable	Non-applicable	73,5 mg/m³	Non-applicable
[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 77-54-3	Dermal	Non-applicable	Non-applicable	0,181 mg/kg	Non-applicable
EC: 201-036-1	Inhalation	Non-applicable	Non-applicable	0,639 mg/m³	Non-applicable
coumarin	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 91-64-5	Dermal	Non-applicable	Non-applicable	0,79 mg/kg	Non-applicable
EC: 202-086-7	Inhalation	Non-applicable	Non-applicable	6,78 mg/m³	Non-applicable
linalyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 115-95-7	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
EC: 204-116-4	Inhalation	Non-applicable	Non-applicable	2,75 mg/m³	Non-applicable
(r)-p-mentha-1,8-diene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 5989-27-5	Dermal	Non-applicable	Non-applicable	9,5 mg/kg	Non-applicable
EC: 227-813-5	Inhalation	Non-applicable	Non-applicable	66,7 mg/m³	Non-applicable
linalool	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 78-70-6	Dermal	5 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
EC: 201-134-4	Inhalation	16,5 mg/m³	Non-applicable	2,8 mg/m³	Non-applicable
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 32388-55-9	Dermal	Non-applicable	Non-applicable	0,333 mg/kg	Non-applicable
EC: 251-020-3	Inhalation	Non-applicable	Non-applicable	1,17 mg/m³	Non-applicable
citronellol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-22-9	Dermal	Non-applicable	Non-applicable	327,4 mg/kg	Non-applicable
EC: 203-375-0	Inhalation	Non-applicable	10 mg/m³	161,6 mg/m³	10 mg/m³
pin-2(10)-ene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 127-91-3	Dermal	Non-applicable	Non-applicable	0,8 mg/kg	Non-applicable
EC: 204-872-5	Inhalation	Non-applicable	Non-applicable	5,69 mg/m³	Non-applicable
Allyl (cyclohexyloxy)acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 68901-15-5	Dermal	Non-applicable	Non-applicable	0,448 mg/kg	Non-applicable
EC: 272-657-3	Inhalation	Non-applicable	Non-applicable	3,16 mg/m³	Non-applicable
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 33704-61-9	Dermal	Non-applicable	Non-applicable	0,42 mg/kg	Non-applicable
EC: 251-649-3	Inhalation	Non-applicable	Non-applicable	1,47 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
cineole	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 470-82-6	Dermal	Non-applicable	Non-applicable	2 mg/kg	Non-applicable
EC: 207-431-5	Inhalation	Non-applicable	Non-applicable	7,05 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-methoxy-3-methylbutan-1-ol	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
CAS: 56539-66-3	Dermal	Non-applicable	Non-applicable	3,1 mg/kg	Non-applicable
EC: 260-252-4	Inhalation	Non-applicable	Non-applicable	4,4 mg/m³	Non-applicable
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	121 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	37,2 mg/m³	Non-applicable
2,6-dimethyloct-7-en-2-ol	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
CAS: 18479-58-8	Dermal	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
EC: 242-362-4	Inhalation	Non-applicable	Non-applicable	21,7 mg/m³	Non-applicable
[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate	Oral	Non-applicable	Non-applicable	0,091 mg/kg	Non-applicable
CAS: 77-54-3	Dermal	Non-applicable	Non-applicable	0,091 mg/kg	Non-applicable
EC: 201-036-1	Inhalation	Non-applicable	Non-applicable	0,158 mg/m³	Non-applicable
coumarin	Oral	Non-applicable	Non-applicable	0,39 mg/kg	Non-applicable
CAS: 91-64-5	Dermal	Non-applicable	Non-applicable	0,39 mg/kg	Non-applicable
EC: 202-086-7	Inhalation	Non-applicable	Non-applicable	1,69 mg/m³	Non-applicable
linalyl acetate	Oral	Non-applicable	Non-applicable	0,2 mg/kg	Non-applicable
CAS: 115-95-7	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
EC: 204-116-4	Inhalation	Non-applicable	Non-applicable	0,68 mg/m³	Non-applicable
(r)-p-mentha-1,8-diene	Oral	Non-applicable	Non-applicable	4,8 mg/kg	Non-applicable
CAS: 5989-27-5	Dermal	Non-applicable	Non-applicable	4,8 mg/kg	Non-applicable
EC: 227-813-5	Inhalation	Non-applicable	Non-applicable	16,6 mg/m³	Non-applicable
linalool	Oral	1,2 mg/kg	Non-applicable	0,2 mg/kg	Non-applicable
CAS: 78-70-6	Dermal	2,5 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable
EC: 201-134-4	Inhalation	4,1 mg/m³	Non-applicable	0,7 mg/m³	Non-applicable
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	Oral	Non-applicable	Non-applicable	0,167 mg/kg	Non-applicable
CAS: 32388-55-9	Dermal	Non-applicable	Non-applicable	0,167 mg/kg	Non-applicable
EC: 251-020-3	Inhalation	Non-applicable	Non-applicable	0,29 mg/m³	Non-applicable
citronellol	Oral	Non-applicable	Non-applicable	13,8 mg/kg	Non-applicable
CAS: 106-22-9	Dermal	Non-applicable	Non-applicable	196,4 mg/kg	Non-applicable
EC: 203-375-0	Inhalation	Non-applicable	10 mg/m³	47,8 mg/m³	10 mg/m³
pin-2(10)-ene	Oral	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
CAS: 127-91-3	Dermal	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
EC: 204-872-5	Inhalation	Non-applicable	Non-applicable	1 mg/m³	Non-applicable
Allyl (cyclohexyloxy)acetate	Oral	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
CAS: 68901-15-5	Dermal	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
EC: 272-657-3	Inhalation	Non-applicable	Non-applicable	0,557 mg/m³	Non-applicable
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	Oral	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
CAS: 33704-61-9	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
EC: 251-649-3	Inhalation	Non-applicable	Non-applicable	0,44 mg/m³	Non-applicable
cineole	Oral	Non-applicable	Non-applicable	600 mg/kg	Non-applicable
CAS: 470-82-6	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 207-431-5	Inhalation	Non-applicable	Non-applicable	1,74 mg/m³	Non-applicable

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Dipropylene Glycol Methyl Ether	STP	4168 mg/L	Fresh water	19 mg/L
CAS: 34590-94-8	Soil	2,74 mg/kg	Marine water	1,9 mg/L
EC: 252-104-2	Intermittent	190 mg/L	Sediment (Fresh water)	70,2 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7,02 mg/kg
2,6-dimethyloct-7-en-2-ol	STP	10 mg/L	Fresh water	0,0278 mg/L
CAS: 18479-58-8	Soil	0,103 mg/kg	Marine water	0,00278 mg/L
EC: 242-362-4	Intermittent	0,278 mg/L	Sediment (Fresh water)	0,594 mg/kg
	Oral	0,111 g/kg	Sediment (Marine water)	0,059 mg/kg
[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate	STP	0,003 mg/L	Fresh water	0 mg/L
CAS: 77-54-3	Soil	0,009 mg/kg	Marine water	0 mg/L
EC: 201-036-1	Intermittent	Non-applicable	Sediment (Fresh water)	0,011 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,001 mg/kg
2,6-dimethyloctan-2-ol	STP	10 mg/L	Fresh water	0,005 mg/L
CAS: 18479-57-7	Soil	0,354 mg/kg	Marine water	0 mg/L
EC: 242-361-9	Intermittent	Non-applicable	Sediment (Fresh water)	1,78 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,178 mg/kg
coumarin	STP	6,4 mg/L	Fresh water	0,019 mg/L
CAS: 91-64-5	Soil	0,018 mg/kg	Marine water	0,0019 mg/L
EC: 202-086-7	Intermittent	0,0142 mg/L	Sediment (Fresh water)	0,15 mg/kg
	Oral	0,0307 g/kg	Sediment (Marine water)	0,015 mg/kg
linalyl acetate	STP	1 mg/L	Fresh water	0,011 mg/L
CAS: 115-95-7	Soil	0,115 mg/kg	Marine water	0,001 mg/L
EC: 204-116-4	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	STP	1,8 mg/L	Fresh water	0,014 mg/L
CAS: 5989-27-5	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
EC: 227-813-5	Intermittent	Non-applicable	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg
linalool	STP	10 mg/L	Fresh water	0,2 mg/L
CAS: 78-70-6	Soil	0,327 mg/kg	Marine water	0,02 mg/L
EC: 201-134-4	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	STP	10 mg/L	Fresh water	0,00174 mg/L
CAS: 32388-55-9	Soil	4,87 mg/kg	Marine water	0,000174 mg/L
EC: 251-020-3	Intermittent	0,0086 mg/L	Sediment (Fresh water)	24,4 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	2,44 mg/kg
citronellol	STP	580 mg/L	Fresh water	0,002 mg/L
CAS: 106-22-9	Soil	0,004 mg/kg	Marine water	0 mg/L
EC: 203-375-0	Intermittent	0,024 mg/L	Sediment (Fresh water)	0,026 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,003 mg/kg
pin-2(10)-ene	STP	3,26 mg/L	Fresh water	0,001004 mg/L
CAS: 127-91-3	Soil	0,067 mg/kg	Marine water	0,0001 mg/L
EC: 204-872-5	Intermittent	Non-applicable	Sediment (Fresh water)	0,337 mg/kg
	Oral	0,0131 g/kg	Sediment (Marine water)	0,034 mg/kg
Allyl (cyclohexyloxy)acetate	STP	0,3 mg/L	Fresh water	0,00205 mg/L
CAS: 68901-15-5	Soil	0,375 mg/kg	Marine water	0,000205 mg/L
EC: 272-657-3	Intermittent	0,00205 mg/L	Sediment (Fresh water)	0,0387 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00387 mg/kg
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	STP	10 mg/L	Fresh water	0,004 mg/L
CAS: 33704-61-9	Soil	0,0174 mg/kg	Marine water	0 mg/L
EC: 251-649-3	Intermittent	Non-applicable	Sediment (Fresh water)	0,0991 mg/kg
	Oral	0,00111 g/kg	Sediment (Marine water)	0,00991 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
cineole	STP	10 mg/L	Fresh water	0,057 mg/L
CAS: 470-82-6	Soil	0,25 mg/kg	Marine water	0,0057 mg/L
EC: 207-431-5	Intermittent	0,57 mg/L	Sediment (Fresh water)	1,425 mg/kg
	Oral	0,04 g/kg	Sediment (Marine water)	0,142 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

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	CE CAT I		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.- Ocular and facial protection

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

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	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): 55,21 % weight

V.O.C. density at 20 ºC: 540,51 kg/m³ (540,51 g/L)

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Average carbon number:	6,83
Average molecular weight:	135,13 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Violet
Odour:	Pleasant
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	193 ºC
Vapour pressure at 20 ºC:	68 Pa
Vapour pressure at 50 ºC:	497,55 Pa (0,5 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	979,1 kg/m³
Relative density at 20 ºC:	0,979
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *

Flammability:

Flash Point:	77 ºC
Heat of combustion:	Non-applicable *
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	235 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Explosive:

Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *

9.2 Other information:

*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 ºC:	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 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 (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

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, as it does not contain substances classified as dangerous 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 dangerous for this effect. For more information see section 3.

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

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

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 dangerous for the effects mentioned. For more information see section 3.
  IARC: coumarin (3); (r)-p-mentha-1,8-diene (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous with sensitising effects. For more information see section 3.
- Cutaneous: 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, as it does not contain substances classified as dangerous 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 dangerous 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 dangerous 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 dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2,6-dimethyloctan-2-ol	LD50 oral	5500 mg/kg	Rat
CAS: 18479-57-7	LD50 dermal	5500 mg/kg	Rabbit
EC: 242-361-9	LC50 inhalation	Non-applicable	
2,6-dimethyloct-7-en-2-ol	LD50 oral	3600 mg/kg	
CAS: 18479-58-8	LD50 dermal	Non-applicable	
EC: 242-362-4	LC50 inhalation	Non-applicable	
[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate	LD50 oral	44750 mg/kg	Rat
CAS: 77-54-3	LD50 dermal	Non-applicable	
EC: 201-036-1	LC50 inhalation	Non-applicable	
coumarin	LD50 oral	500 mg/kg	Rat
CAS: 91-64-5	LD50 dermal	Non-applicable	
EC: 202-086-7	LC50 inhalation	Non-applicable	
linalyl acetate	LD50 oral	14500 mg/kg	Rat
CAS: 115-95-7	LD50 dermal	5610 mg/kg	Rabbit
EC: 204-116-4	LC50 inhalation	Non-applicable	
linalool	LD50 oral	3500 mg/kg	Rat
CAS: 78-70-6	LD50 dermal	5610 mg/kg	Rabbit
EC: 201-134-4	LC50 inhalation	Non-applicable	
citronellol	LD50 oral	3450 mg/kg	Rat
CAS: 106-22-9	LD50 dermal	2650 mg/kg	
EC: 203-375-0	LC50 inhalation	Non-applicable	
α-hexylcinnamaldehyde	LD50 oral	3100 mg/kg	Rat
CAS: 101-86-0	LD50 dermal	3000 mg/kg	Rabbit
EC: 202-983-3	LC50 inhalation	Non-applicable	
Allyl (cyclohexyloxy)acetate	LD50 oral	620,42 mg/kg	Rat
CAS: 68901-15-5	LD50 dermal	Non-applicable	
EC: 272-657-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	LD50 oral	2900 mg/kg	Rat
CAS: 33704-61-9	LD50 dermal	Non-applicable	
EC: 251-649-3	LC50 inhalation	Non-applicable	
cineole	LD50 oral	2480 mg/kg	Rat
CAS: 470-82-6	LD50 dermal	Non-applicable	
EC: 207-431-5	LC50 inhalation	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:

Identification	Acute toxicity		Species	Genus
Dipropylene Glycol Methyl Ether	LC50	10000 mg/L (96 h)	Pimephales promelas	Fish
CAS: 34590-94-8	EC50	1919 mg/L (48 h)	Daphnia magna	Crustacean
EC: 252-104-2	EC50	Non-applicable		
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 54464-57-2	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 259-174-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 77-54-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 201-036-1	EC50	>0.1 - 1 mg/L (72 h)		Algae
coumarin	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 91-64-5	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 202-086-7	EC50	>10 - 100 mg/L (72 h)		Algae
(r)-p-mentha-1,8-diene	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 5989-27-5	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 227-813-5	EC50	>0.1 - 1 mg/L (72 h)		Algae
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 32388-55-9	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 251-020-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
pin-2(10)-ene	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 127-91-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 204-872-5	EC50	>0.1 - 1 mg/L (72 h)		Algae
α-hexylcinnamaldehyde	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 101-86-0	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 202-983-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
Allyl (cyclohexyloxy)acetate	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 68901-15-5	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 272-657-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	LC50	2.12 mg/L (96 h)	Oryzias latipes	Fish
CAS: 33704-61-9	EC50	1.5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 251-649-3	EC50	10 mg/L (72 h)	Desmodesmus subspicatus	Algae

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
Dipropylene Glycol Methyl Ether	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 34590-94-8	COD	0 g O2/g	Period	28 days
EC: 252-104-2	BOD5/COD	Non-applicable	% Biodegradable	73 %
2,6-dimethyloct-7-en-2-ol	BOD5	Non-applicable	Concentration	10 mg/L
CAS: 18479-58-8	COD	Non-applicable	Period	28 days
EC: 242-362-4	BOD5/COD	Non-applicable	% Biodegradable	72 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
[3R-3.alpha.,3a.beta.,6.alpha., 7.beta.,8a.alpha.)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate	BOD5	Non-applicable	Concentration	2 mg/L
CAS: 77-54-3	COD	Non-applicable	Period	28 days
EC: 201-036-1	BOD5/COD	Non-applicable	% Biodegradable	73 %
2,6-dimethyloctan-2-ol	BOD5	Non-applicable	Concentration	2.3 mg/L
CAS: 18479-57-7	COD	Non-applicable	Period	28 days
EC: 242-361-9	BOD5/COD	Non-applicable	% Biodegradable	72 %
coumarin	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 91-64-5	COD	Non-applicable	Period	14 days
EC: 202-086-7	BOD5/COD	Non-applicable	% Biodegradable	100 %
linalyl acetate	BOD5	Non-applicable	Concentration	81 mg/L
CAS: 115-95-7	COD	Non-applicable	Period	28 days
EC: 204-116-4	BOD5/COD	Non-applicable	% Biodegradable	80 %
linalool	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 78-70-6	COD	Non-applicable	Period	28 days
EC: 201-134-4	BOD5/COD	Non-applicable	% Biodegradable	90 %
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 33704-61-9	COD	Non-applicable	Period	28 days
EC: 251-649-3	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Dipropylene Glycol Methyl Ether	BCF	1
CAS: 34590-94-8	Pow Log	-0.06
EC: 252-104-2	Potential	Low
2,6-dimethyloctan-2-ol	BCF	105
CAS: 18479-57-7	Pow Log	3.58
EC: 242-361-9	Potential	High
coumarin	BCF	10
CAS: 91-64-5	Pow Log	1.39
EC: 202-086-7	Potential	Low
linalyl acetate	BCF	174
CAS: 115-95-7	Pow Log	3.9
EC: 204-116-4	Potential	High
linalool	BCF	39
CAS: 78-70-6	Pow Log	2.97
EC: 201-134-4	Potential	Moderate
pin-2(10)-ene	BCF	440
CAS: 127-91-3	Pow Log	4.35
EC: 204-872-5	Potential	High
α-hexylcinnamaldehyde	BCF	17
CAS: 101-86-0	Pow Log	
EC: 202-983-3	Potential	Low
Allyl (cyclohexyloxy)acetate	BCF	
CAS: 68901-15-5	Pow Log	2.18
EC: 272-657-3	Potential	
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	BCF	82
CAS: 33704-61-9	Pow Log	4.2
EC: 251-649-3	Potential	Moderate
cineole	BCF	
CAS: 470-82-6	Pow Log	2.74
EC: 207-431-5	Potential	

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2,6-dimethyloctan-2-ol	Koc	3760	Henry	Non-applicable
CAS: 18479-57-7	Conclusion	Low	Dry soil	Non-applicable
EC: 242-361-9	Surface tension	2,758E-2 N/m (25 ºC)	Moist soil	Non-applicable
coumarin	Koc	42	Henry	Non-applicable
CAS: 91-64-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 202-086-7	Surface tension	Non-applicable	Moist soil	Non-applicable
linalyl acetate	Koc	518	Henry	177 Pa·m³/mol
CAS: 115-95-7	Conclusion	Low	Dry soil	Yes
EC: 204-116-4	Surface tension	Non-applicable	Moist soil	Yes
pin-2(10)-ene	Koc	Non-applicable	Henry	Non-applicable
CAS: 127-91-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-872-5	Surface tension	2,685E-2 N/m (25 ºC)	Moist soil	Non-applicable
Allyl (cyclohexyloxy)acetate	Koc	152.71	Henry	6,23 Pa·m³/mol
CAS: 68901-15-5	Conclusion	High	Dry soil	Non-applicable
EC: 272-657-3	Surface tension	Non-applicable	Moist soil	Non-applicable
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	Koc	200	Henry	Non-applicable
CAS: 33704-61-9	Conclusion	Moderate	Dry soil	Non-applicable
EC: 251-649-3	Surface tension	Non-applicable	Moist soil	Non-applicable
cineole	Koc	Non-applicable	Henry	Non-applicable
CAS: 470-82-6	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 207-431-5	Surface tension	3,24E-2 N/m (25 ºC)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 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, 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. We do not recommended disposal down the drain. 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 2021 and RID 2021:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1	**UN number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	274, 335, 375, 601
	Tunnel restriction code:	-
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

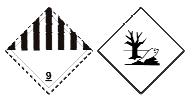
Transport of dangerous goods by sea:

With regard to IMDG 39-18:

14.1	**UN number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Marine pollutant:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	335, 969, 274
	EmS Codes:	F-A, S-F
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Non-applicable
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:



14.1	**UN number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

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

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SECTION 15: REGULATORY INFORMATION (continued)

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

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 (Regulation (EC) No 2015/830).

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.
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:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

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

Advice related to training:

Minimal 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:

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SECTION 16: OTHER INFORMATION (continued)

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

Abbreviations and acronyms:

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

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 -