



Blossom & Vanilla

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

- 1.1 Product identifier:** Blossom & Vanilla
Product code: 4430527
- 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
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:
Warning

Hazard statements:
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
Precautionary statements:
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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 (r)-p-mentha-1,8-diene, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 3-p-cumenyl-2-methylpropionaldehyde, Benzyl salicylate, Caryophyllene, Coumarin, Piperonal.
- 2.3 Other hazards:**
Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture based on aromatising substances and preparations.

Components:

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

Identification	Chemical name/Classification	Concentration
CAS: 54464-57-2 EC: 259-174-3 Index: Non-applicable REACH:Non-applicable	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	50 - <75 %
CAS: 121-33-5 EC: 204-465-2 Index: Non-applicable REACH:01-2119516040-60-XXXX	Vanillin⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	5 - <25 %
CAS: 121-32-4 EC: 204-464-7 Index: Non-applicable REACH:01-2119958961-24-XXXX	3-ethoxy-4-hydroxybenzaldehyde⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	1 - <5 %
CAS: 63500-71-0 EC: 405-040-6 Index: 603-101-00-3 REACH:01-2119455547-30-XXXX	Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)⁽¹⁾ ATP CLP00 Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	1 - <5 %
CAS: 4940-11-8 EC: 225-582-5 Index: Non-applicable REACH:01-2120758795-36-XXXX	2-ethyl-3-hydroxy-4-pyrone⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H302 - Warning	1 - <5 %
CAS: 91-64-5 EC: 202-086-7 Index: Non-applicable REACH:01-2119943756-26-XXXX	Coumarin⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Danger	1 - <5 %
CAS: 470-40-6 EC: 207-426-8 Index: Non-applicable REACH:Non-applicable	[1aS-(1aα,4aβ,8aR*)]-1,1a,4,4a,5,6,7,8-octahydro-2,4a,8,8-tetramethylcyclopropa[d]naphthalene⁽¹⁾ Self-classified Regulation 1272/2008 Asp. Tox. 1: H304 - Danger	1 - <5 %
CAS: 3691-11-0 EC: Non-applicable Index: Non-applicable REACH:Non-applicable	Alpha-bulnesene⁽¹⁾ Not classified Regulation 1272/2008	1 - <5 %
CAS: 3691-12-1 EC: Non-applicable Index: Non-applicable REACH:Non-applicable	Azulene, 1,2,3,4,5,6,7,8-octahydro-1,4-dimethyl-7-(1-methylethenyl)-, (1S,4S,7R)-⁽¹⁾ Self-classified Regulation 1272/2008 Asp. Tox. 1: H304; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Danger	1 - <5 %
CAS: 87-44-5 EC: 201-746-1 Index: Non-applicable REACH:01-2120745237-53-XXXX	Caryophyllene⁽¹⁾ Self-classified Regulation 1272/2008 Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	0,1 - <1 %
CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH:01-2119529223-47-XXXX	(r)-p-mentha-1,8-diene⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	0,1 - <1 %
CAS: 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: 37677-14-8 EC: 253-617-4 Index: Non-applicable REACH:Non-applicable	4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411	0,1 - <1 %

⁽¹⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 128-37-0 EC: 204-881-4 Index: Non-applicable REACH:01-2119565113-46-XXXX	2,6-di-tert-butyl-p-cresol⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	0,1 - <1 %
CAS: 103-95-7 EC: 203-161-7 Index: Non-applicable REACH:01-2119970582-32-XXXX	3-p-cumenyl-2-methylpropionaldehyde⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 118-60-5 EC: 204-263-4 Index: Non-applicable REACH:01-2119978235-29-XXXX	2-ethylhexyl salicylate⁽¹⁾ Not classified Regulation 1272/2008	0,1 - <1 %
CAS: 118-58-1 EC: 204-262-9 Index: 607-754-00-5 REACH:01-2119969442-31-XXXX	Benzyl salicylate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	0,1 - <1 %
CAS: 120-57-0 EC: 204-409-7 Index: Non-applicable REACH:01-2119983608-21-XXXX	Piperonal⁽¹⁾ Self-classified Regulation 1272/2008 Repr. 2: H361fd; Skin Sens. 1B: H317 - Warning	0,1 - <1 %

⁽¹⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

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

Other information:

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

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

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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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

It is recommended:

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

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

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

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

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

C.- Technical recommendations on general occupational hygiene

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SECTION 7: HANDLING AND STORAGE (continued)

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):

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
3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	7 mg/kg	Non-applicable
	Inhalation	98 mg/m ³	Non-applicable	49 mg/m ³	Non-applicable
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	41,7 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	44,1 mg/m ³	Non-applicable
2-ethyl-3-hydroxy-4-pyrone CAS: 4940-11-8 EC: 225-582-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	5,6 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	19,7 mg/m ³	Non-applicable
Coumarin CAS: 91-64-5 EC: 202-086-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,79 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6,78 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
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3,5 mg/m ³	Non-applicable
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5,83 mg/m ³	Non-applicable
2-ethylhexyl salicylate CAS: 118-60-5 EC: 204-263-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	158 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	9,03 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
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,21 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	7,8 mg/m ³	Non-applicable
Piperonal CAS: 120-57-0 EC: 204-409-7	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	17,6 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	17,5 mg/m ³	Non-applicable	8,75 mg/m ³	Non-applicable
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	Oral	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	13 mg/m ³	Non-applicable
2-ethyl-3-hydroxy-4-pyrone CAS: 4940-11-8 EC: 225-582-5	Oral	Non-applicable	Non-applicable	2 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	2 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3,48 mg/m ³	Non-applicable
Coumarin CAS: 91-64-5 EC: 202-086-7	Oral	Non-applicable	Non-applicable	0,39 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,39 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,69 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
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	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	0,86 mg/m ³	Non-applicable
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	Oral	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,45 mg/m ³	Non-applicable
2-ethylhexyl salicylate CAS: 118-60-5 EC: 204-263-4	Oral	Non-applicable	Non-applicable	2,4 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	79,1 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,25 mg/m ³	Non-applicable
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	Oral	Non-applicable	Non-applicable	0,79 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,79 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,37 mg/m ³	Non-applicable
Piperonal CAS: 120-57-0 EC: 204-409-7	Oral	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,3 mg/m ³	Non-applicable

PNEC:

Identification					
Vanillin CAS: 121-33-5 EC: 204-465-2	STP	10 mg/L	Fresh water	0,118 mg/L	
	Soil	11,54 mg/kg	Marine water	0,012 mg/L	
	Intermittent	Non-applicable	Sediment (Fresh water)	58,22 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	5,822 mg/kg	

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7	STP	10 mg/L	Fresh water	0,118 mg/L
	Soil	2,923 mg/kg	Marine water	0,012 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	15 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	1,5 mg/kg
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	STP	10 mg/L	Fresh water	0,094 mg/L
	Soil	0,09 mg/kg	Marine water	0,009 mg/L
	Intermittent	0,94 mg/L	Sediment (Fresh water)	0,412 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,041 mg/kg
2-ethyl-3-hydroxy-4-pyrone CAS: 4940-11-8 EC: 225-582-5	STP	1,55 mg/L	Fresh water	0,0072 mg/L
	Soil	0,049 mg/kg	Marine water	0,00072 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,269 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,027 mg/kg
Coumarin CAS: 91-64-5 EC: 202-086-7	STP	6,4 mg/L	Fresh water	0,019 mg/L
	Soil	0,018 mg/kg	Marine water	0,0019 mg/L
	Intermittent	0,0142 mg/L	Sediment (Fresh water)	0,15 mg/kg
	Oral	0,0307 g/kg	Sediment (Marine water)	0,015 mg/kg
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	STP	1,8 mg/L	Fresh water	0,014 mg/L
	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	STP	0,17 mg/L	Fresh water	0,000199 mg/L
	Soil	0,04769 mg/kg	Marine water	0,00002 mg/L
	Intermittent	0,00199 mg/L	Sediment (Fresh water)	0,0996 mg/kg
	Oral	0,00833 g/kg	Sediment (Marine water)	0,00996 mg/kg
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	STP	1 mg/L	Fresh water	0,00109 mg/L
	Soil	0,025 mg/kg	Marine water	0,00011 mg/L
	Intermittent	0,01092 mg/L	Sediment (Fresh water)	0,126 mg/kg
	Oral	0,0333 g/kg	Sediment (Marine water)	0,013 mg/kg
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	STP	10 mg/L	Fresh water	0,001 mg/L
	Soil	1,41 mg/kg	Marine water	0 mg/L
	Intermittent	0,01 mg/L	Sediment (Fresh water)	0,583 mg/kg
	Oral	0,0527 g/kg	Sediment (Marine water)	0,058 mg/kg
Piperonal CAS: 120-57-0 EC: 204-409-7	STP	10 mg/L	Fresh water	0,0025 mg/L
	Soil	0,00084 mg/kg	Marine water	0,00025 mg/L
	Intermittent	0,025 mg/L	Sediment (Fresh water)	0,0119 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0012 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



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

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



D.- Eye and face protection

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

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	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):	0,9 % weight
V.O.C. density at 20 °C:	Non-applicable
Average carbon number:	10
Average molecular weight:	136,2 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

*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)

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 *
Product description:	
Density at 20 °C:	Non-applicable *
Relative density at 20 °C:	0.987 - 0.997
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:	>100 °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

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:

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SECTION 10: STABILITY AND REACTIVITY (continued)

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:

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

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

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

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

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Coumarin (3); (r)-p-mentha-1,8-diene (3); 2,6-di-tert-butyl-p-cresol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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

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

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one CAS: 54464-57-2 EC: 259-174-3	>2000 mg/kg	>2000 mg/kg	
Vanillin CAS: 121-33-5 EC: 204-465-2	3500 mg/kg	>2000 mg/kg	Rat
3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7	3000 mg/kg	>2000 mg/kg	Rat
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	>2000 mg/kg	>2000 mg/kg	
2-ethyl-3-hydroxy-4-pyrone CAS: 4940-11-8 EC: 225-582-5	1200 mg/kg	>2000 mg/kg	Rat
Coumarin CAS: 91-64-5 EC: 202-086-7	293 mg/kg	293 mg/kg	Rat
[1aS-(1αα,4αβ,8aR*)]-1,1a,4,4a,5,6,7,8-octahydro-2,4a,8,8-tetramethylcyclopropa[d]naphthalene CAS: 470-40-6 EC: 207-426-8	>2000 mg/kg	>2000 mg/kg	
Alpha-bulnesene CAS: 3691-11-0 EC: Non-applicable	>2000 mg/kg	>2000 mg/kg	
Azulene, 1,2,3,4,5,6,7,8-octahydro-1,4-dimethyl-7-(1-methylethenyl)-, (1S,4S,7R)- CAS: 3691-12-1 EC: Non-applicable	>2000 mg/kg	>2000 mg/kg	
Caryophyllene CAS: 87-44-5 EC: 201-746-1	>5000 mg/kg	>2000 mg/kg	Rat
(r)-p-mentha-1,8-diene CAS: 5989-27-5 EC: 227-813-5	>2000 mg/kg	>2000 mg/kg	
Alpha-cedrene CAS: 469-61-4 EC: 207-418-4	>2000 mg/kg	>2000 mg/kg	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde CAS: 37677-14-8 EC: 253-617-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	LD50 oral	10000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	LD50 oral	3810 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
2-ethylhexyl salicylate CAS: 118-60-5 EC: 204-263-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	LD50 oral	2200 mg/kg	Rat
	LD50 dermal	14150 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L	
Piperonal CAS: 120-57-0 EC: 204-409-7	LD50 oral	2700 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	

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
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one CAS: 54464-57-2 EC: 259-174-3	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
Vanillin CAS: 121-33-5 EC: 204-465-2	LC50	57 mg/L (96 h)	Pimephales promelas
	EC50	48,1 mg/L (48 h)	Daphnia magna
	EC50	120 mg/L (72 h)	Pseudokirchneriella subcapitata
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	LC50	Non-applicable	
	EC50	320 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
Coumarin CAS: 91-64-5 EC: 202-086-7	LC50	1,3 mg/L (96 h)	QSAR
	EC50	8 mg/L (48 h)	QSAR
	EC50	1,4 mg/L (96 h)	QSAR
(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
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

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde CAS: 37677-14-8 EC: 253-617-4	LC50	>1 - 10 mg/L (96 h)	Fish
	EC50	>1 - 10 mg/L (48 h)	Crustacean
	EC50	>1 - 10 mg/L (72 h)	Algae
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	LC50	0,57 mg/L (96 h)	Brachydanio rerio
	EC50	0,61 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	LC50	1,092 mg/L (96 h)	N/A
	EC50	1,4 mg/L (48 h)	Daphnia magna
	EC50	3,8 mg/L (72 h)	Pseudokirchneriella subcapitata
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	LC50	1,03 mg/L (96 h)	Brachydanio rerio
	EC50	1,2 mg/L (48 h)	Daphnia magna
	EC50	1,3 mg/L (72 h)	Selenastrum capricornutum

Chronic toxicity:

Identification	Concentration	Species	Genus
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	NOEC	0,053 mg/L	Oryzias latipes
	NOEC	0,069 mg/L	Daphnia magna
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	NOEC	Non-applicable	
	NOEC	0,71 mg/L	Daphnia magna

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Vanillin CAS: 121-33-5 EC: 204-465-2	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	97 %
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	BOD5	Non-applicable	Concentration	10 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	10 %
Coumarin CAS: 91-64-5 EC: 202-086-7	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	BOD5	Non-applicable	Concentration	50 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	4,5 %
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	65,5 %
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	93 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Vanillin CAS: 121-33-5 EC: 204-465-2	BCF	6
	Pow Log	1,37
	Potential	Low
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	BCF	1365
	Pow Log	5,1
	Potential	Very High

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
	BCF	Pow Log
3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7	102	3.05
	Potential	High
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	311	4
	Potential	High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
	Koc	Conclusion	Henry	Volatility
Vanillin CAS: 121-33-5 EC: 204-465-2	130	Very High	Henry	2,128E-4 Pa·m ³ /mol
			Dry soil	Non-applicable
	Surface tension	1,622E-2 N/m (292,85 °C)	Moist soil	Non-applicable
3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7	Non-applicable	Non-applicable	Henry	Non-applicable
			Dry soil	Non-applicable
	Surface tension	1,87E-2 N/m (276,18 °C)	Moist soil	Non-applicable
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6	42	Very High	Henry	1,71E-3 Pa·m ³ /mol
			Dry soil	No
	Surface tension	Non-applicable	Moist soil	No
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	8183		Henry	3,42E-1 Pa·m ³ /mol
			Dry soil	Yes
	Surface tension	1,255E-2 N/m (258,85 °C)	Moist soil	Yes
Benzyl salicylate CAS: 118-58-1 EC: 204-262-9	5600	Immobile	Henry	Non-applicable
			Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable

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, HP13 Sensitising, 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:

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

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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. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Special regulations: 274, 335, 375, 601
Tunnel restriction code: -
Physico-Chemical properties: see section 9
Limited quantities: 5 L
- 14.7 Maritime transport in bulk according to IMO instruments:** 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. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** Yes
- 14.6 Special precautions for user**
Special regulations: 335, 969, 274
EmS Codes: F-A, S-F
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: 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. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Physico-Chemical properties: see section 9
- 14.7 Maritime transport in bulk according to IMO instruments:** 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

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.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

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.

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SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

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

Abbreviations and acronyms:

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

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