

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: TEA #EU24319F
UFI	: 0WA5-W2CG-800J-JYDV
Product code	: EU24319F
Type of product	: Perfumes, fragrances
Product group	: Trade product

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

##### 1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Industrial/Professional use spec	: For professional use only Industrial
Use of the substance/mixture	: Perfumes, fragrances
Function or use category	: Odour agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

FRENCH COLOR & FRAGRANCE International GmbH  
Mittlerer Weg 35  
DE 79424 Auggen  
Germany  
T 49-7631-931-8900  
[SDS@frenchcolor.com](mailto:SDS@frenchcolor.com), [www.frenchcolor.com](http://www.frenchcolor.com)

#### 1.4. Emergency telephone number

Emergency number	: 1-800-255-3924; +01-813-248-0585; China: +400-120-0751; Mexico: +01-800-099-0731; Brazil: +0-800-591-6042; India: +000-800-100-4086
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 2	H315
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 2	H361
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful if swallowed. Causes skin irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Contains

: Triplal (Vertocitral); benzyl benzoate; Ethyl maltol; Hexyl cinnamic aldehyde; Vertenex; Linalool; Citrus medica limonum (Lemon) peel oil ; Orange Oil; Amyl salicylate; Linalyl acetate; Patchouli oil; ACETYL HEXAMETHYL TETRALIN; (R)-p-mentha-1,8-diene; d-limonene; Geraniol; Nerol; Hexyl salicylate; Isocyclocitral; COUMARIN; Helional

Hazard statements (CLP)

: H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H361 - Suspected of damaging fertility or the unborn child.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
For professional users only.

Extra phrases

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33	14.76125 – 31.5819	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Ethyl acetoacetate substance with national workplace exposure limit(s) (RO)	CAS-No.: 141-97-9 EC-No.: 205-516-1	3.3 – 13.2	Not classified
Verdox	CAS-No.: 88-41-5 EC-No.: 201-828-7 REACH-no: 01-2119970713-33	2.20375 – 6.855	Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227-29	1.03875 – 4.155	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Vertenex	CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286-24	2 – 4.08	Skin Sens. 1B, H317
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	1.7 – 3.39	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Citrus medica limonum (Lemon) peel oil	CAS-No.: 8008-56-8 EC-No.: 284-515-8	1.5 – 3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411
Orange Oil	CAS-No.: 8028-48-6 EC-No.: 232-433-8	1.5 – 3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Ethyl maltol	CAS-No.: 4940-11-8 EC-No.: 225-582-5	1.19375 – 2.625	Acute Tox. 4 (Oral), H302
Amyl salicylate	CAS-No.: 2050-08-0 EC-No.: 218-080-2 REACH-no: 01-2119969444-27	1 – 1.92	Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410
Dimethylbenzyl carbinyl butyrate(DMBCB)	CAS-No.: 10094-34-5 EC-No.: 233-221-8 REACH-no: 01-2120742578-44	1 – 1.92	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789-19	1 – 1.92	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Patchouli oil	CAS-No.: 8014-09-3 EC Index-No.: 616-944-7	0.8 – 1.61	Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
ACETYL HEXAMETHYL TETRALIN	CAS-No.: 21145-77-7 EC-No.: 244-240-6	0.7 – 1.4	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353-35	0.6 – 1.23	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dimyrcetol	CAS-No.: 25279-09-8 EC-No.: 246-788-1	0.6 – 1.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092-50	0.275 – 0.75	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430-49	0.36 – 0.684	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Isocyclocitral	CAS-No.: 1335-66-6 EC-No.: 215-638-7	0.3 – 0.65	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Hexyl salicylate	CAS-No.: 6259-76-3 EC-No.: 228-408-6	0.305 – 0.6115	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756-26	0.3 – 0.57	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.20375 – 0.4943	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Nerol	CAS-No.: 106-25-2 EC-No.: 203-378-7	0.24 – 0.456	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
hexan-1-ol substance with national workplace exposure limit(s) (DE, RO, SI)	CAS-No.: 111-27-3 EC-No.: 203-852-3 EC Index-No.: 603-059-00-6 REACH-no: 01-2119487967-12	0.08625 – 0.345	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319
Helional	CAS-No.: 1205-17-0 EC-No.: 214-881-6 REACH-no: 01-2120740119-58	0.1 – 0.21	Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411
Cedarwood oil, Texas	CAS-No.: 68990-83-0 EC-No.: 294-461-7	0.1 – 0.12	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.0132	Aquatic Chronic 3, H412
Aldehyde C-6 substance with national workplace exposure limit(s) (FI, PL)	CAS-No.: 66-25-1 EC-No.: 200-624-5	0 – 0.0033	Flam. Liq. 3, H226
Caproic acid substance with national workplace exposure limit(s) (BG, LT, LV)	CAS-No.: 142-62-1 EC-No.: 205-550-7	0 – 0.0002	Eye Dam. 1, H318 Skin Corr. 1C, H314

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
butyric acid substance with national workplace exposure limit(s) (BG, LT, LV, RO)	CAS-No.: 107-92-6 EC-No.: 203-532-3 EC Index-No.: 607-135-00-X	0 – 0.0001	Skin Corr. 1B, H314

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Do NOT induce vomiting. Obtain emergency medical attention. Rinse mouth. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 25 °C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

#### Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

#### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

Ethyl acetoacetate (141-97-9)	
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	100 mg/m <sup>3</sup>
	19 ppm
OEL STEL	200 mg/m <sup>3</sup>
	38 ppm
hexan-1-ol (111-27-3)	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	105 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed (long-chain Alcohols))
	25 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed (long-chain Alcohols))
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	150 mg/m <sup>3</sup>
	36 ppm
OEL STEL	250 mg/m <sup>3</sup>
	60 ppm
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	210 mg/m <sup>3</sup>
	50 ppm
OEL STEL	210 mg/m <sup>3</sup>
	50 ppm
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA)	140 mg/m <sup>3</sup>
	25 ppm
HTP (OEL STEL)	280 mg/m <sup>3</sup>
	50 ppm
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation, Skin sensitization
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	28 mg/m <sup>3</sup>
	5 ppm

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<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
OEL STEL	112 mg/m <sup>3</sup>
	20 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA)	168 mg/m <sup>3</sup>
	30 ppm
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdi (OEL TWA)	140 mg/m <sup>3</sup>
	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m <sup>3</sup> (value calculated)
	37.5 ppm (value calculated)
OEL chemical category	Allergenic substance
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA)	40 mg/m <sup>3</sup>
	7 ppm
KZGW (OEL STEL)	80 mg/m <sup>3</sup>
	14 ppm
OEL chemical category	Sensitizer
<b>Alcohol C-10 (112-30-1)</b>	
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup>
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	66 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	10 mg/m <sup>3</sup>
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	100 mg/m <sup>3</sup>
	15 ppm
OEL STEL	200 mg/m <sup>3</sup>
	30 ppm
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA)	66 mg/m <sup>3</sup> (aerosol, vapour)
	10 ppm (aerosol, vapour)



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Alcohol C-10 (112-30-1)	
KZGW (OEL STEL)	66 mg/m <sup>3</sup> (aerosol, vapour)
	10 ppm (aerosol, vapour)
Aldehyde C-6 (66-25-1)	
Finland - Occupational Exposure Limits	
HTP (OEL STEL)	42 mg/m <sup>3</sup>
	10 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	40 mg/m <sup>3</sup>
NDSch (OEL STEL)	80 mg/m <sup>3</sup>
Caproic acid (142-62-1)	
Bulgaria - Occupational Exposure Limits	
OEL TWA	5 mg/m <sup>3</sup>
Latvia - Occupational Exposure Limits	
OEL TWA	5 mg/m <sup>3</sup>
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	5 mg/m <sup>3</sup>
butyric acid (107-92-6)	
Bulgaria - Occupational Exposure Limits	
OEL TWA	10 mg/m <sup>3</sup>
Latvia - Occupational Exposure Limits	
OEL TWA	10 mg/m <sup>3</sup>
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	10 mg/m <sup>3</sup>
Romania - Occupational Exposure Limits	
OEL TWA	15 mg/m <sup>3</sup>
	4 ppm
OEL STEL	30 mg/m <sup>3</sup>
	8 ppm

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Avoid all unnecessary exposure.

**Personal protective equipment symbol(s):**



##### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses. Safety glasses

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves. Wear protective gloves.

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: light yellow. amber. Conforms to standard.
Odour	: characteristic. characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 64 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available

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Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: ≈ 1.46
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions. Not established.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

TEA #EU24319F	
ATE CLP (oral)	1291.28 mg/kg bodyweight
Ethyl acetoacetate (141-97-9)	
LD50 oral rat	3980 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: NLM_CIP)
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	3900 mg/kg bodyweight
benzyl benzoate (120-51-4)	
LD50 oral rat	500 mg/kg (Source: NLM_CIP)

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<b>benzyl benzoate (120-51-4)</b>	
LD50 oral	1160 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)
<b>Ethyl maltol (4940-11-8)</b>	
LD50 oral rat	1150 mg/kg (Source: NLM_CIP)
LD50 oral	1200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
<b>Verdox (88-41-5)</b>	
LD50 oral rat	4600 mg/kg (Source: NLM_CIP)
LD50 oral	4600 mg/kg bodyweight
<b>Hexyl cinnamic aldehyde (101-86-0)</b>	
LD50 oral rat	3100 mg/kg (Source: NLM_CIP)
LD50 oral	3100 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HP)
LC50 Inhalation - Rat	> 5 mg/l/4h
<b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)</b>	
LD50 oral rat	> 3250 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 3250 mg/kg (Source: CHEMVIEW)
LC50 Inhalation - Rat	> 5.04 mg/l/4h
<b>hexan-1-ol (111-27-3)</b>	
LD50 oral rat	3210 mg/kg (Source: OECD_SIDS)
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	1500 – 2000 mg/kg (Source: OECD_SIDS)
LD50 dermal	1750 mg/kg bodyweight
LC50 Inhalation - Rat	> 21 mg/l (Exposure time: 1 h Source: OECD_SIDS)
<b>Vertenex (32210-23-4)</b>	
LD50 oral rat	5 g/kg (Source: NLM_CIP)
LD50 oral	3370 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
<b>Linalool (78-70-6)</b>	
LD50 oral	2790 mg/kg bodyweight
<b>Citrus medica limonum (Lemon) peel oil (8008-56-8)</b>	
LD50 oral rat	2840 mg/kg (Source: NLM_CIP)
<b>Orange Oil (8028-48-6)</b>	
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
<b>Amyl salicylate (2050-08-0)</b>	
LD50 oral rat	4100 mg/kg (Source: NZ_CCID)
LD50 oral	2000 mg/kg bodyweight

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<b>Amyl salicylate (2050-08-0)</b>	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
<b>Dimethylbenzyl carbonyl butyrate(DMBCB) (10094-34-5)</b>	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
<b>Linalyl acetate (115-95-7)</b>	
LD50 oral rat	14550 mg/kg (Source: EPA_HPVS)
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA)
LC50 Inhalation - Rat	> 18.94 mg/l (Exposure time: 8 h Source: ECHA)
<b>Patchouli oil (8014-09-3)</b>	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
<b>ACETYL HEXAMETHYL TETRALIN (21145-77-7)</b>	
LD50 oral rat	570 mg/kg (Source: NLM_CIP)
LD50 oral	1000 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg (Source: NLM_HSDB)
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)
<b>Dimyrcetol (25279-09-8)</b>	
LD50 oral	2500 mg/kg bodyweight
<b>Geraniol (106-24-1)</b>	
LD50 oral rat	3600 mg/kg (Source: NLM_CIP)
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)
<b>Nerol (106-25-2)</b>	
LD50 oral rat	4500 mg/kg (Source: NLM_CIP)
LD50 oral	4500 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)
<b>Hexyl salicylate (6259-76-3)</b>	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
<b>Isocyclocitral (1335-66-6)</b>	
LD50 oral rat	4500 mg/kg (Source: NLM_CIP)
LD50 oral	3220 mg/kg bodyweight
<b>COUMARIN (91-64-5)</b>	
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)
LD50 oral	290 mg/kg bodyweight
LD50 dermal rat	293 mg/kg (Source: ECHA_API)

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<b>Helional (1205-17-0)</b>	
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)
<b>Alcohol C-10 (112-30-1)</b>	
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)
LD50 dermal rabbit	3560 mg/kg (Source: NLM_CIP)
<b>Aldehyde C-6 (66-25-1)</b>	
LD50 oral rat	4890 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 8100 mg/kg (Source: ECHA_API)
<b>Caproic acid (142-62-1)</b>	
LD50 oral rat	3 g/kg (Source: NLM_HSDB)
LD50 oral	4000 mg/kg bodyweight
LD50 dermal rabbit	630 mg/kg (Source: NLM_HSDB)
<b>butyric acid (107-92-6)</b>	
LD50 oral rat	2 g/kg (Source: NLM_CIP)
LD50 oral	1630 mg/kg bodyweight
LD50 dermal rabbit	530 mg/kg (Source: NLM_HSDB)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
IARC group	3 - Not classifiable
<b>COUMARIN (91-64-5)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
<b>benzyl benzoate (120-51-4)</b>	
Viscosity, kinematic	7.456 mm <sup>2</sup> /s

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

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Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

<b>Ethyl acetoacetate (141-97-9)</b>	
LC50 - Fish [1]	298 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)
LC50 - Fish [2]	290 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	646 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)
<b>benzyl benzoate (120-51-4)</b>	
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
NOEC (chronic)	0.168 mg/l
<b>Ethyl maltol (4940-11-8)</b>	
LC50 - Fish [1]	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA)
<b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)</b>	
LC50 - Fish [1]	0.452 mg/l Wolf, 1996d-27682
LC50 - Other aquatic organisms [1]	> 0.14 mg/l REACH DOSSIER Pimephales promelas
EC50 - Crustacea [2]	260 µg/l REACH Dossier
EC50 - Other aquatic organisms [1]	0.131 mg/l REACH Dossier
<b>hexan-1-ol (111-27-3)</b>	
LC50 - Fish [1]	89.7 – 106 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	144 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
<b>Vertenex (32210-23-4)</b>	
LC50 - Fish [1]	8.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: ECHA)
<b>Linalool (78-70-6)</b>	
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
<b>Linalyl acetate (115-95-7)</b>	
LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)
<b>Geraniol (106-24-1)</b>	
LC50 - Fish [1]	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)
<b>Nerol (106-25-2)</b>	
LC50 - Fish [1]	20.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
<b>Alcohol C-10 (112-30-1)</b>	
LC50 - Fish [1]	2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)

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<b>Alcohol C-10 (112-30-1)</b>	
LC50 - Fish [2]	4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Aldehyde C-6 (66-25-1)</b>	
LC50 - Fish [1]	12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
<b>Caproic acid (142-62-1)</b>	
LC50 - Fish [1]	306 – 334 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
<b>butyric acid (107-92-6)</b>	
EC50 72h - Algae [1]	46.7 mg/l (Species: Desmodesmus subspicatus)
<b>12.2. Persistence and degradability</b>	
<b>TEA #EU24319F</b>	
Persistence and degradability	Not established.
<b>Ethyl acetoacetate (141-97-9)</b>	
Persistence and degradability	Rapidly degradable
<b>Triplal (Vertocitral) (68039-49-6)</b>	
Persistence and degradability	Rapidly degradable
<b>benzyl benzoate (120-51-4)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>Ethyl maltol (4940-11-8)</b>	
Persistence and degradability	Rapidly degradable
<b>Verdox (88-41-5)</b>	
Persistence and degradability	Rapidly degradable
<b>Hexyl cinnamic aldehyde (101-86-0)</b>	
Persistence and degradability	Rapidly degradable
<b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCb) (1222-05-5)</b>	
Persistence and degradability	Rapidly degradable
<b>hexan-1-ol (111-27-3)</b>	
Persistence and degradability	Rapidly degradable
<b>Vertenex (32210-23-4)</b>	
Persistence and degradability	Rapidly degradable
<b>Linalool (78-70-6)</b>	
Persistence and degradability	Rapidly degradable
<b>Citrus medica limonum (Lemon) peel oil (8008-56-8)</b>	
Persistence and degradability	Rapidly degradable



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<b>Orange Oil (8028-48-6)</b>	
Persistence and degradability	Rapidly degradable
<b>Amyl salicylate (2050-08-0)</b>	
Persistence and degradability	Rapidly degradable
<b>Dimethylbenzyl carbonyl butyrate(DMBCB) (10094-34-5)</b>	
Persistence and degradability	Rapidly degradable
<b>Linalyl acetate (115-95-7)</b>	
Persistence and degradability	Rapidly degradable
<b>Patchouli oil (8014-09-3)</b>	
Persistence and degradability	Rapidly degradable
<b>ACETYL HEXAMETHYL TETRALIN (21145-77-7)</b>	
Persistence and degradability	Rapidly degradable
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
Persistence and degradability	Rapidly degradable
<b>Dimyrcetol (25279-09-8)</b>	
Persistence and degradability	Rapidly degradable
<b>Geraniol (106-24-1)</b>	
Persistence and degradability	Rapidly degradable
<b>Nerol (106-25-2)</b>	
Persistence and degradability	Rapidly degradable
<b>Hexyl salicylate (6259-76-3)</b>	
Persistence and degradability	Rapidly degradable
<b>Isocyclocitral (1335-66-6)</b>	
Persistence and degradability	Rapidly degradable
<b>COUMARIN (91-64-5)</b>	
Persistence and degradability	Rapidly degradable
<b>Helional (1205-17-0)</b>	
Persistence and degradability	Rapidly degradable
<b>Cedarwood oil, Texas (68990-83-0)</b>	
Persistence and degradability	Not established.
<b>Alcohol C-10 (112-30-1)</b>	
Persistence and degradability	Rapidly degradable
<b>Aldehyde C-6 (66-25-1)</b>	
Persistence and degradability	Rapidly degradable
<b>Caproic acid (142-62-1)</b>	
Persistence and degradability	Rapidly degradable

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<b>butyric acid (107-92-6)</b>	
Persistence and degradability	Rapidly degradable
<b>12.3. Bioaccumulative potential</b>	
<b>TEA #EU24319F</b>	
Bioaccumulative potential	Not established.
<b>Ethyl acetoacetate (141-97-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.8 (at 20 °C)
<b>benzyl benzoate (120-51-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.
<b>Ethyl maltol (4940-11-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 25 °C)
<b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)</b>	
BCF - Fish [1]	(1618 dimensionless (whole body w.w.))
Partition coefficient n-octanol/water (Log Pow)	5.3 (at 25 °C (at pH 7))
<b>hexan-1-ol (111-27-3)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.8
<b>Vertenex (32210-23-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 25 °C)
<b>Amyl salicylate (2050-08-0)</b>	
BCF - Fish [1]	(1170 dimensionless (whole body w.w.))
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 30 °C)
<b>Dimethylbenzyl carbinyol butyrate(DMBCB) (10094-34-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.7 (at 25 °C)
<b>Linalyl acetate (115-95-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.9 (at 25 °C)
<b>ACETYL HEXAMETHYL TETRALIN (21145-77-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	5.7 (at 24 °C)
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2))
<b>Dimyrcetol (25279-09-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.55 (at 20 °C (at pH >=6.55-<=6.7))
<b>Geraniol (106-24-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.6 (at 25 °C)
<b>Nerol (106-25-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 30 °C (at pH 6.5))

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Hexyl salicylate (6259-76-3)	
Partition coefficient n-octanol/water (Log Pow)	5.5 (at 30 °C (at pH 7)
Helional (1205-17-0)	
Partition coefficient n-octanol/water (Log Pow)	2.4 (at 25 °C)
Cedarwood oil, Texas (68990-83-0)	
Bioaccumulative potential	Not established.
Alcohol C-10 (112-30-1)	
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)
Aldehyde C-6 (66-25-1)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 5)
Caproic acid (142-62-1)	
Partition coefficient n-octanol/water (Log Pow)	1.88
butyric acid (107-92-6)	
Partition coefficient n-octanol/water (Log Pow)	1.1 (at 25 °C (at pH 3)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecological information	: Avoid release to the environment.
HP Code	: HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure. HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP10 - "Toxic for reproduction:" waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

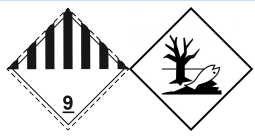
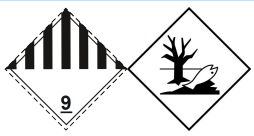
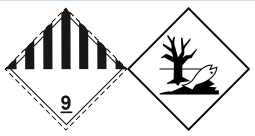
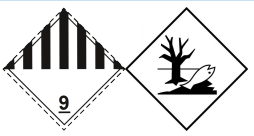
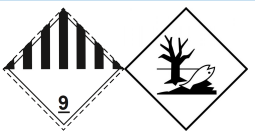
## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran)	Environmentally hazardous substance, liquid, n.o.s. (Hexamethylindanopyran)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran)
<b>Transport document description</b>				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Hexamethylindanopyran), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
				
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user


#### Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90

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Orange plates	:	
Tunnel restriction code (ADR)	:	-
EAC code	:	•3Z

### Transport by sea

Special provisions (IMDG)	:	274, 335, 969
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP01, P001
Special packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-F
Stowage category (IMDG)	:	A

### Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y964
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	964
PCA max net quantity (IATA)	:	450L
CAO packing instructions (IATA)	:	964
CAO max net quantity (IATA)	:	450L
Special provisions (IATA)	:	A97, A158, A197, A215
ERG code (IATA)	:	9L

### Inland waterway transport

Classification code (ADN)	:	M6
Special provisions (ADN)	:	274, 335, 375, 601
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP
Number of blue cones/lights (ADN)	:	0

### Rail transport

Classification code (RID)	:	M6
Special provisions (RID)	:	274, 335, 375, 601
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP1, TP29
Tank codes for RID tanks (RID)	:	LGBV
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW13, CW31
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	90

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	hexan-1-ol ; Citrus medica limonum (Lemon) peel oil ; Orange Oil ; (R)-p-mentha-1,8-diene; d-limonene ; Aldehyde C-6	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	TEA #EU24319F ; Triplal (Vertocitral) ; benzyl benzoate ; Hexyl cinnamic aldehyde ; hexan-1-ol ; Vertenex ; Linalool ; Citrus medica limonum (Lemon) peel oil ; Orange Oil ; Amyl salicylate ; Dimethylbenzyl carbonyl butyrate(DMBCB) ; Linalyl acetate ; Patchouli oil ; (R)-p-mentha-1,8-diene; d-limonene ; Dimyrcetol ; Geraniol ; Nerol ; Hexyl salicylate ; Isocyclocitral ; Helional ; Cedarwood oil, Texas ; Caproic acid ; butyric acid	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	TEA #EU24319F ; Triplal (Vertocitral) ; benzyl benzoate ; Verdox ; Hexyl cinnamic aldehyde ; 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) ; Citrus medica limonum (Lemon) peel oil ; Orange Oil ; Amyl salicylate ; Dimethylbenzyl carbonyl butyrate(DMBCB) ; Patchouli oil ; (R)-p-mentha-1,8-diene; d-limonene ; Hexyl salicylate ; Isocyclocitral ; Helional ; Cedarwood oil, Texas ; Alcohol C-10	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	hexan-1-ol ; Citrus medica limonum (Lemon) peel oil ; Orange Oil ; (R)-p-mentha-1,8-diene; d-limonene ; Aldehyde C-6	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

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### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.1.2. National regulations

### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

ABM category : A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment  
SZW-lijst van kankerverwekkende stoffen : Triplal (Vertocitral),Lemon oil ,Orange Oil,Cedarwood oil, Texas are listed  
SZW-lijst van mutagene stoffen : Triplal (Vertocitral),Lemon oil ,Orange Oil are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Class for fire hazard : Class III-1  
Store unit : 50 liter  
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Other information : None.

### Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4

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Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.