# SWEET SENSATION TYPE #EU42149F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 29/07/2020 Revision date: 16/02/2026 Supersedes version of: 13/06/2023 Version: 3.0

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Trade name | : | SWEET SENSATION TYPE #EU42149F |
| Product code | : | EU42149F |
| Type of product | : | Perfumes, fragrances |
| Product group | : | Trade product |

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

#### Relevant identified uses

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

### 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, 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 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| | |
|---|---|
| Skin sensitisation, Category 1 | H317 |
| 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

Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07 GHS09

| | | |
|---|---|---|
| Signal word (CLP) | : | Warning |
| Contains | : | 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone; Citronellol Pure; CUPRESSUS FUNEBRIS WOOD OIL; Vertofix; Benzyl salicylate; Linalyl acetate; Linalool; Guaiacwood acetate; Black pepper oil; Clove Leaf Oil |
| Hazard statements (CLP) | : | H317 - May cause an allergic skin reaction.<br>H411 - Toxic to aquatic life with long lasting effects. |

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction on this label).

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Bis(2-ethylhexyl) adipate<br>substance with national workplace exposure limit(s) (PL) | CAS-No.: 103-23-1<br>EC-No.: 203-090-1<br>REACH-no: 01-2119439699-19 | 29.4 – 58.7 | Not classified |
| Ethylene brassylate | CAS-No.: 105-95-3<br>EC-No.: 203-347-8<br>REACH-no: 01-2119976314-33 | 9.2 – 18.45 | Aquatic Chronic 2, H411 |
| Phenylethyl alcohol | CAS-No.: 60-12-8<br>EC-No.: 200-456-2<br>REACH-no: 01-2119963921-31 | 3.9 – 7.75 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319 |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | CAS-No.: 54464-57-2<br>EC-No.: 259-174-3<br>REACH-no: 01-2119489989-04 | 1.5 – 3 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 1, H410 |
| Citronellol Pure | CAS-No.: 106-22-9<br>EC-No.: 203-375-0<br>REACH-no: 01-2119453995-23 | 0.5 – 0.9 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 |
| CUPRESSUS FUNEBRIS WOOD OIL | CAS-No.: 85085-29-6<br>EC-No.: 285-360-9 | 0.4 – 0.85 | Skin Corr. 1, H314<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| Vertofix | CAS-No.: 32388-55-9<br>EC-No.: 251-020-3<br>REACH-no: 01-2119969651-28 | 0.4 – 0.8 | Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Benzyl salicylate | CAS-No.: 118-58-1<br>EC-No.: 204-262-9<br>EC Index-No.: 607-754-00-5<br>REACH-no: 01-2119969442-31 | 0.3 – 0.55 | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Linalyl acetate | CAS-No.: 115-95-7<br>EC-No.: 204-116-4<br>REACH-no: 01-2119454789-19 | 0.2516376 – 0.4774564 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317 |
| Linalool | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2<br>REACH-no: 01-2119474016-42 | 0.1191258 – 0.2786887 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 |
| Guaiacwood acetate | CAS-No.: 61789-17-1<br>EC-No.: 309-448-4 | 0.1 – 0.2 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317 |
| Benzyl acetate<br>substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO) | CAS-No.: 140-11-4<br>EC-No.: 205-399-7<br>REACH-no: 01-2119638272-42 | 0.1 – 0.2 | Aquatic Chronic 3, H412 |
| Black pepper oil | CAS-No.: 8006-82-4<br>EC-No.: 616-894-6 | 0.1 – 0.1 | Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411<br>Asp. Tox. 1, H304<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317 |
| Clove Leaf Oil | CAS-No.: 8000-34-8<br>EC-No.: 616-772-2 | 0.1 – 0.1 | Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304 |
| (R)-p-mentha-1,8-diene; d-limonene<br>substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH) | CAS-No.: 5989-27-5<br>EC-No.: 205-341-0<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119493353-35 | 0.051228 – 0.076842 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| .beta.-Pinene<br>substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO) | CAS-No.: 127-91-3<br>EC-No.: 204-872-5 | 0.007651 – 0.0114765 | Flam. Liq. 3, H226 |
| Toluene<br>substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 108-88-3<br>EC-No.: 203-625-9<br>EC Index-No.: 601-021-00-3 | 0.0000008 – 0.0000012 | Not classified |

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).

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 | : | 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. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/…. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : | Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : | Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

| | | |
|---|---|---|
| Symptoms/effects after inhalation | : | May cause an allergic skin reaction. |
| Symptoms/effects after skin contact | : | May cause an allergic skin reaction. |

### 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 | : | Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| 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. |

### 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 attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection. |

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

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

#### For emergency responders

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

### 6.2. Environmental precautions

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

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

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| | | |
|---|---|---|
| Precautions for safe handling | : | Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. 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. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures | : | 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. Wash contaminated clothing before reuse. |

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

| | | |
|---|---|---|
| Storage conditions | : | Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. |
| 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. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**National occupational exposure and biological limit values**

| **Toluene (108-88-3)** | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 192 mg/m³ |
| | 50 ppm |
| IOEL STEL | 384 mg/m³ |
| | 100 ppm |
| Remark | Possibility of significant uptake through the skin |
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 192 mg/m³ |
| | 50 ppm |
| OEL STEL | 384 mg/m³ |
| | 100 ppm |
| OEL chemical category | Potential for cutaneous absorption |

| **Benzyl acetate (140-11-4)** | |
|---|---|
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 10 ppm |

| Benzyl acetate (140-11-4) | |
|---|---|
| OEL STEL | 30 ppm (calculated) |

## 8.2. Exposure controls

### Appropriate engineering controls

**Appropriate engineering controls:**
Ensure good ventilation of the work station.

### Personal protection equipment

**Personal protective equipment:**
Avoid all unnecessary exposure.
**Personal protective equipment symbol(s):**



### Eye and face protection

**Eye protection:**
Safety glasses. Chemical goggles or safety glasses

### Skin protection

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
Protective gloves. Wear protective gloves.

### Respiratory protection

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

### 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. |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Not applicable,Non flammable. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | > 93.3 °C |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | Not available |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | 0.000755888 mm Hg (calculated value) |

| | | |
|---|---|---|
| Vapour pressure at 50°C | : | Not available |
| Density | : | Not available |
| Relative density | : | ≈ 0.97 |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

#### Other safety characteristics

| | | |
|---|---|---|
| VOC content | : | 2.1858197 % (calculated value)(CARB VOC) (%w/w) |

## 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) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

| Bis(2-ethylhexyl) adipate (103-23-1) | |
|---|---|
| LD50 oral rat | 5600 mg/kg (Source: NLM_CIP) |
| LD50 dermal rabbit | 8410 mg/kg (Source: NLM_CIP) |
| LC50 Inhalation - Rat | > 5.7 mg/l/4h |

| Ethylene brassylate (105-95-3) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg (Source: ECHA) |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA) |

| Phenylethyl alcohol (60-12-8) | |
|---|---|
| LD50 oral rat | 1609 mg/kg (Source: EPA_HPV) |
| LD50 oral | 1610 mg/kg |
| LD50 dermal rabbit | 2535 mg/kg (Source: EPA_HPV) |
| LC50 Inhalation - Rat | > 4.63 mg/l/4h |

| Citronellol Pure (106-22-9) | |
|---|---|
| LD50 oral rat | 3450 mg/kg (Source: NLM_CIP) |
| LD50 oral | 3450 mg/kg |
| LD50 dermal rabbit | 2650 mg/kg (Source: EPA_HPV) |
| LD50 dermal | 2650 mg/kg |

| Vertofix (32388-55-9) | |
|---|---|
| LD50 oral | 4500 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA_API) |

| Benzyl salicylate (118-58-1) | |
|---|---|
| LD50 oral rat | 2227 mg/kg (Source: NLM_CIP) |
| LD50 oral | 2227 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |

| Linalyl acetate (115-95-7) | |
|---|---|
| LD50 oral rat | 14550 mg/kg (Source: EPA_HPV) |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA) |
| LC50 Inhalation - Rat | > 18.94 mg/l (Exposure time: 8 h Source: ECHA) |

| Toluene (108-88-3) | |
|---|---|
| LD50 oral rat | 5000 mg/kg (Source: NLM_HSDB) |
| LD50 dermal rabbit | 12000 mg/kg (Source: JAPAN_GHS) |
| LC50 Inhalation - Rat | 12.5 mg/l/4h |

| Linalool (78-70-6) | |
|---|---|
| LD50 oral rat | 2790 mg/kg (Source: NLM_CIP) |
| LD50 oral | 2790 mg/kg |
| LD50 dermal rabbit | 5610 mg/kg (Source: ECHA_API) |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|---|---|
| LD50 oral rat | 4400 mg/kg (Source: CHEMVIEW) |
| LD50 dermal rabbit | > 5 g/kg (Source: CHEMVIEW) |

| .beta.-Pinene (127-91-3) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg (Source: EPA_HPV) |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |

| Guaiacwood acetate (61789-17-1) | |
|---|---|
| LD50 oral rat | > 5 g/kg (Source: NLM_CIP) |

| Benzyl acetate (140-11-4) | |
|---|---|
| LD50 oral rat | 2490 mg/kg (Source: JAPAN_GHS) |
| LD50 oral | 2490 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg (Source: JAPAN_GHS) |

| Clove Leaf Oil (8000-34-8) | |
|---|---|
| LD50 oral rat | 1370 mg/kg (Source: NZ_CCID) |

| Clove Leaf Oil (8000-34-8) | |
|---|---|
| LD50 oral | 2650 mg/kg |
| LD50 dermal rabbit | 1200 mg/kg (Source: NLM_CIP) |

Skin corrosion/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met
Serious eye damage/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met

| Bis(2-ethylhexyl) adipate (103-23-1) | |
|---|---|
| IARC group | 3 - Not classifiable |

| Toluene (108-88-3) | |
|---|---|
| IARC group | 3 - Not classifiable |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|---|---|
| IARC group | 3 - Not classifiable |

| Benzyl acetate (140-11-4) | |
|---|---|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-single exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-repeated exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met

| Toluene (108-88-3) | |
|---|---|
| Hydrocarbon | Yes |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|---|---|
| Hydrocarbon | Yes |

| .beta.-Pinene (127-91-3) | |
|---|---|
| Hydrocarbon | Yes |

### 11.2. Information on other hazards

#### 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.
Ecology - water : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified

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

| Bis(2-ethylhexyl) adipate (103-23-1) | |
|---|---|
| LC50 - Fish [1] | 0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) |
| LC50 - Fish [2] | 0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA) |
| EC50 - Crustacea [1] | > 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | > 500 mg/l (Species: Desmodesmus subspicatus) |

| Phenylethyl alcohol (60-12-8) | |
|---|---|
| EC50 - Crustacea [1] | 287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | 490 mg/l (Species: Desmodesmus subspicatus) |

| Benzyl salicylate (118-58-1) | |
|---|---|
| LC50 - Fish [1] | 1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |

| Linalyl acetate (115-95-7) | |
|---|---|
| LC50 - Fish [1] | 11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA) |

| Toluene (108-88-3) | |
|---|---|
| LC50 - Fish [1] | 15.22 – 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2] | 12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA) |
| EC50 - Crustacea [1] | 5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| EC50 - Crustacea [2] | 11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | 12.5 mg/l (Species: Pseudokirchneriella subcapitata [static]) |
| EC50 96h - Algae [1] | > 433 mg/l (Species: Pseudokirchneriella subcapitata) |

| Linalool (78-70-6) | |
|---|---|
| LC50 - Fish [1] | 27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: ECHA) |
| EC50 - Crustacea [1] | 20 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 96h - Algae [1] | 88.3 mg/l (Species: Desmodesmus subspicatus) |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|---|---|
| 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) |

## 12.2. Persistence and degradability

| SWEET SENSATION TYPE #EU42149F | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| Bis(2-ethylhexyl) adipate (103-23-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Ethylene brassylate (105-95-3) | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| Phenylethyl alcohol (60-12-8) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Citronellol Pure (106-22-9) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| CUPRESSUS FUNEBRIS WOOD OIL (85085-29-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Vertofix (32388-55-9) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Benzyl salicylate (118-58-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Linalyl acetate (115-95-7) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Toluene (108-88-3) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Linalool (78-70-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| .beta.-Pinene (127-91-3) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Guaiacwood acetate (61789-17-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Benzyl acetate (140-11-4) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Black pepper oil (8006-82-4) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Clove Leaf Oil (8000-34-8) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

## 12.3. Bioaccumulative potential

| SWEET SENSATION TYPE #EU42149F | |
|---|---|
| Bioaccumulative potential | Not established. |

| Bis(2-ethylhexyl) adipate (103-23-1) | |
|---|---|
| BCF - Fish [1] | (27 dimensionless) |
| Partition coefficient n-octanol/water (Log Pow) | 8.94 (at 25 °C) |

| Ethylene brassylate (105-95-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.3 (at 25 °C (at pH 6.4-7) |
| Bioaccumulative potential | Not established. |

| Phenylethyl alcohol (60-12-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 1.36 (at 20 °C (at pH 7) |

| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 5.65 (at 30°C) |

| Citronellol Pure (106-22-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.41 (at 25 °C) |

| Vertofix (32388-55-9) | |
|---|---|
| BCF - Fish [1] | (3920 dimensionless (organ w.w.) |
| Partition coefficient n-octanol/water (Log Pow) | 5.6 – 5.9 |

| Benzyl salicylate (118-58-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4 |

| Linalyl acetate (115-95-7) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 (at 25 °C) |

| Toluene (108-88-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.73 (at 20 °C (at pH 7) |

| Linalool (78-70-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 (at 20 °C (at pH 7) |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (at 37 °C (at pH 7.2) |

| .beta.-Pinene (127-91-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.4 (at 25 °C) |

| Benzyl acetate (140-11-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 1.96 (at 25 °C (at pH 7) |

## 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

| SWEET SENSATION TYPE #EU42149F | |
|---|---|
| Other information | Avoid release to the environment. |

| Ethylene brassylate (105-95-3) | |
|---|---|
| Other 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. Dispose of contents/container in accordance with local/national laws and regulations.

Ecological waste information : Avoid release to the environment.

HP Code : 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

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | Not applicable |
| **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-NAPHTHALENYL)ETHANONE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE) | Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE) | Not applicable |
| **Transport document description** | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE), 9, III | Not applicable |
| **14.3. Transport hazard class(es)** | | | | |
| 9 | 9 | 9 | 9 | Not applicable |
|  |  |  |  | Not applicable |
| **14.4. Packing group** | | | | |
| III | III | III | III | Not applicable |

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-F | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Not applicable |
| 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) | : | 5l |
| 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 |
| Orange plates | : |  |
| Tunnel restriction code (ADR) | : | - |

### 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) | : | TP2, TP29 |
| 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 |
| 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**

Not applicable

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

Not applicable

## SECTION 15: Regulatory information

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

**EU-Regulations**

**REACH Annex XVII (Restriction List)**

| EU restriction list (REACH Annex XVII) | | |
|---|---|---|
| **Reference code** | **Applicable on** | **Entry title or description** |
| 3(a) | d-Limonene ; .beta.-Pinene ; Black pepper oil | 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) | SWEET SENSATION TYPE #EU42149F ; Phenylethyl alcohol ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; Citronellol Pure ; CUPRESSUS FUNEBRIS WOOD OIL ; Vertofix ; Benzyl salicylate ; Linalyl acetate ; Linalool ; d-Limonene ; Guaiacwood acetate ; Black pepper oil ; Clove Leaf Oil | 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) | SWEET SENSATION TYPE #EU42149F ; Ethylene brassylate ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; CUPRESSUS FUNEBRIS WOOD OIL ; Vertofix ; Benzyl salicylate ; d-Limonene ; Guaiacwood acetate ; Benzyl acetate ; Black pepper oil | 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 |
| 48. | Toluene | Toluene |

**REACH Annex XIV (Authorisation List)**

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

### 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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### VOC Directive (2004/42)

VOC content : 2.1858197 % (calculated value)(CARB VOC) (%w/w)

### Explosives Precursors Regulation (EU 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 (EC 273/2004)

Contains 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)

| Name | CN designation | CAS-No. | CN code | Category, Subcategory | Threshold | Annex |
|---|---|---|---|---|---|---|
| Toluene | | 108-88-3 | 2902 30 00 | Category 3 | | Annex I |

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| 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 Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| H226 | Flammable liquid and vapour. |

| Full text of H- and EUH-statements: | |
|---|---|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| 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. |

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.