# CHESTNUT HONEY CC-16147

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 28/10/2021 Revision date: 07/08/2025 Supersedes version of: 01/08/2024 Version: 2.1

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Trade name | : | CHESTNUT HONEY CC-16147 |
| UFI | : | Q654-540Q-000Q-69GK |
| Product code | : | CC-16147 |
| 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

Candle Craft
Weiherwiese 10
65510 Idstein - Germany
T 49-6126-9363 -0
info@candlecraft.de - www.candlecraft.de

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | 06126-9363-0 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| | |
|---|---|
| Serious eye damage/eye irritation, Category 2 | H319 |
| 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

Harmful to aquatic life with long lasting effects. Causes serious eye irritation. 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; Linalool; Benzyl alcohol; Cinnamic aldehyde; Hexyl cinnamic aldehyde; beta-Caryophyllene; Clove Leaf Oil ; Triplal (Vertocitral); Cedramber; Benzyl salicylate; COUMARIN |

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
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.

### 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] |
|---|---|---|---|
| Phenylethyl alcohol<br>(Fragrance) | CAS-No.: 60-12-8<br>EC-No.: 200-456-2<br>REACH-no: 01-2119963921-31 | 2.3 – 4.5455 | 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<br>(Fragrance) | CAS-No.: 54464-57-2<br>EC-No.: 259-174-3<br>REACH-no: 01-2119489989-04 | 2.3 – 4.5455 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 1, H410 |
| Linalool<br>(Fragrance) | 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 | 0.9 – 1.8636 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 |
| benzyl alcohol<br>(Fragrance)<br>substance with national workplace exposure limit(s) (BG, CZ, DE, FI, LT, LV, PL, SI, CH) | CAS-No.: 100-51-6<br>EC-No.: 202-859-9<br>EC Index-No.: 603-057-00-5<br>REACH-no: 01-2119492630-38 | 0.9 – 1.8182 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317 |
| Sandela<br>(Fragrance) | CAS-No.: 66068-84-6<br>EC-No.: 266-100-3 | 0.7 – 1.3636 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |
| Vanillin<br>(Fragrance) | CAS-No.: 121-33-5<br>EC-No.: 204-465-2<br>REACH-no: 01-2119516040-60 | 0.665 – 1.349964 | Eye Irrit. 2, H319 |
| Cedarwood oil, Texas<br>(Fragrance) | CAS-No.: 68990-83-0<br>EC-No.: 294-461-7 | 0.6 – 1.2273 | Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Cinnamic aldehyde<br>(Fragrance) | CAS-No.: 104-55-2<br>EC-No.: 203-213-9<br>EC Index-No.: 606-155-00-6<br>REACH-no: 01-2119935242-45 | 0.5 – 0.9091 | Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1A, H317<br>Aquatic Chronic 3, H412 |
| Hexyl cinnamic aldehyde<br>(Fragrance) | CAS-No.: 101-86-0<br>EC-No.: 202-983-3<br>REACH-no: 01-2119533092-50 | 0.3 – 0.6364 | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |
| beta-Caryophyllene<br>(Fragrance) | CAS-No.: 87-44-5<br>EC-No.: 201-746-1<br>REACH-no: 01-2120745237-53 | 0.2 – 0.4545 | Asp. Tox. 1, H304<br>Skin Sens. 1B, H317 |
| Clove Leaf Oil<br>(Fragrance) | CAS-No.: 8000-34-8<br>EC-No.: 616-772-2 | 0.2 – 0.4545 | Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304 |
| Triplal (Vertocitral)<br>(Fragrance) | CAS-No.: 68039-49-6<br>EC-No.: 268-264-1<br>EC Index-No.: 605-043-00-4 | 0.2 – 0.3636 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 |
| Cedramber<br>(Fragrance) | CAS-No.: 19870-74-7<br>EC-No.: 243-384-7 | 0.2 – 0.3636 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Skin Sens. 1B, H317 |
| Benzyl salicylate<br>(Fragrance) | 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 | 0.2 – 0.3182 | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412 |
| Camphene<br>(Fragrance) | CAS-No.: 79-92-5<br>EC-No.: 201-234-8 | 0.2 – 0.3182 | Flam. Sol. 2, H228<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| COUMARIN<br>(Fragrance) | CAS-No.: 91-64-5<br>EC-No.: 202-086-7<br>REACH-no: 01-2119943756-26 | 0.1 – 0.2727 | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1B, H317 |
| Aldehyde C-6<br>(Fragrance)<br>substance with national workplace exposure limit(s) (FI, PL) | CAS-No.: 66-25-1<br>EC-No.: 200-624-5 | 0.1 – 0.1818 | Flam. Liq. 3, H226 |
| benzyl benzoate<br>(Fragrance) | CAS-No.: 120-51-4<br>EC-No.: 204-402-9<br>EC Index-No.: 607-085-00-9<br>REACH-no: 01-2119976371-33 | 0.1 – 0.1227 | Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

| Specific concentration limits: | | |
|---|---|---|
| **Name** | **Product identifier** | **Specific concentration limits (%)** |
| Cinnamic aldehyde<br>(Fragrance) | CAS-No.: 104-55-2<br>EC-No.: 203-213-9<br>EC Index-No.: 606-155-00-6<br>REACH-no: 01-2119935242-45 | (0.001 < C < 0.01) EUH208<br>(0.01 ≤ C < 0.1) Skin Sens. 1; H317<br>(0.1 ≤ C < 100) Skin Sens. 1A; H317 |

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 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.

First-aid measures after eye contact : Obtain medical attention if pain, blinking or redness persists. 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.

First-aid measures after ingestion : Obtain emergency medical attention. 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 : 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.

### 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.

## SECTION 6: Accidental release measures

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

#### 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.

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

### 6.4. Reference to other sections

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. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures | : | Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

| | | |
|---|---|---|
| Storage conditions | : | Keep container closed when not in use. 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. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 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:**
Chemical goggles or safety glasses. Safety glasses

### Skin protection

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

**Hand protection:**
Wear protective gloves.

### Respiratory protection

**Respiratory protection:**
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 |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | > 93 °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 | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | Not available |
| Relative density | : | 0.945 |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

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

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

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

| 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 |

| 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) |

| benzyl alcohol (100-51-6) | |
|---|---|
| LD50 oral rat | 1230 mg/kg (Source: NLM_CIP) |
| LD50 oral | 1570 mg/kg |

| Sandela (66068-84-6) | |
|---|---|
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |
| LC50 Inhalation - Rat | > 5.27 mg/l/4h |

| Vanillin (121-33-5) | |
|---|---|
| LD50 dermal rabbit | > 5010 mg/kg (Source: OECD_SIDS) |
| LD50 dermal | 2600 mg/kg bodyweight |

| Cinnamic aldehyde (104-55-2) | |
|---|---|
| LD50 oral rat | 2220 mg/kg (Source: NLM_CIP) |
| LD50 oral | 2220 mg/kg |
| LD50 dermal rabbit | 1260 mg/kg (Source: EPA_HPV) |
| LD50 dermal | 1260 mg/kg |

| Hexyl cinnamic aldehyde (101-86-0) | |
|---|---|
| LD50 oral rat | 3100 mg/kg (Source: NLM_CIP) |
| LD50 oral | 3100 mg/kg bodyweight |
| LD50 dermal rabbit | > 3000 mg/kg (Source: EPA_HPV) |
| LC50 Inhalation - Rat | > 5 mg/l/4h |

| Clove Leaf Oil (8000-34-8) | |
|---|---|
| LD50 oral rat | 1370 mg/kg (Source: NZ_CCID) |
| LD50 oral | 2650 mg/kg bodyweight |
| LD50 dermal rabbit | 1200 mg/kg (Source: NLM_CIP) |
| LD50 dermal | 2500 mg/kg bodyweight |

| Triplal (Vertocitral) (68039-49-6) | |
|---|---|
| LD50 oral | 2330 mg/kg |

| Benzyl salicylate (118-58-1) | |
|---|---|
| LD50 oral rat | 2227 mg/kg (Source: NLM_CIP) |
| LD50 oral | 2200 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |

| Camphene (79-92-5) | |
|---|---|
| LD50 oral rat | 5600 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| COUMARIN (91-64-5) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg (Source: JAPAN_GHS) |
| LD50 dermal rat | 293 mg/kg (Source: ECHA_API) |

| Aldehyde C-6 (66-25-1) | |
|---|---|
| LD50 oral rat | 4890 mg/kg (Source: NLM_CIP) |
| LD50 dermal rabbit | > 8100 mg/kg (Source: ECHA_API) |

| benzyl benzoate (120-51-4) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg (Source: ECHA_API) |
| LD50 oral | 1160 mg/kg bodyweight |
| LD50 dermal rabbit | 4000 mg/kg (Source: NLM_CIP) |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

| COUMARIN (91-64-5) | |
|---|---|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

| beta-Caryophyllene (87-44-5) | |
|---|---|
| Hydrocarbon | Yes |

| Camphene (79-92-5) | |
|---|---|
| Hydrocarbon | Yes |

| benzyl benzoate (120-51-4) | |
|---|---|
| Viscosity, kinematic | 7.456 mm²/s |

### 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 : Harmful to aquatic life with long lasting effects. 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.

| 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) |

| 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) |

| benzyl alcohol (100-51-6) | |
|---|---|
| LC50 - Fish [1] | 460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA) |
| LC50 - Fish [2] | 10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) |
| EC50 - Crustacea [1] | 23 mg/l (Exposure time: 48 h - Species: water flea) |

| Vanillin (121-33-5) | |
|---|---|
| LC50 - Fish [1] | 53 – 61.3 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) |
| NOEC (acute) | 10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight]) |

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

| Camphene (79-92-5) | |
|---|---|
| LC50 - Fish [1] | 0.72 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through] Source: IUCLID) |
| LC50 - Fish [2] | 150 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID) |
| EC50 - Crustacea [1] | 22 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | > 1000 mg/l (Species: Desmodesmus subspicatus) |

| Aldehyde C-6 (66-25-1) | |
|---|---|
| LC50 - Fish [1] | 12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |

| benzyl benzoate (120-51-4) | |
|---|---|
| LC50 - Fish [1] | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |
| NOEC (chronic) | 0.168 mg/l |

## 12.2. Persistence and degradability

| CHESTNUT HONEY CC-16147 | |
|---|---|
| Persistence and degradability | Not established. |

| 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 |

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

| benzyl alcohol (100-51-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Sandela (66068-84-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Vanillin (121-33-5) | |
|---|---|
| Persistence and degradability | Not established. |

| Cedarwood oil, Texas (68990-83-0) | |
|---|---|
| Persistence and degradability | Not established. |

| Cinnamic aldehyde (104-55-2) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Hexyl cinnamic aldehyde (101-86-0) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| beta-Caryophyllene (87-44-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

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

| Triplal (Vertocitral) (68039-49-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Cedramber (19870-74-7) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

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

| Camphene (79-92-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| COUMARIN (91-64-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Aldehyde C-6 (66-25-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| benzyl benzoate (120-51-4) | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

### 12.3. Bioaccumulative potential

| CHESTNUT HONEY CC-16147 | |
|---|---|
| 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) |

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

| benzyl alcohol (100-51-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 1.05 |

| Vanillin (121-33-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 1.23 (at 22 °C) |
| Bioaccumulative potential | Not established. |

| Cedarwood oil, Texas (68990-83-0) | |
|---|---|
| Bioaccumulative potential | Not established. |

| Cinnamic aldehyde (104-55-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.1065 (at 25 °C) |

| beta-Caryophyllene (87-44-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 6.23 (at 25 °C (at pH 7) |

| Triplal (Vertocitral) (68039-49-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.6 |

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

| Camphene (79-92-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.22 (at 37 °C (at pH 7.2) |

| COUMARIN (91-64-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | ≥ 1.91 – ≤ 1.51 (at 25 °C (at pH 7) |

| Aldehyde C-6 (66-25-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.3 (at 25 °C (at pH 5) |

| benzyl benzoate (120-51-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
| Bioaccumulative potential | Not established. |

### 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

| CHESTNUT HONEY CC-16147 | |
|---|---|
| Other information | Avoid release to the environment. |

| Vanillin (121-33-5) | |
|---|---|
| Other information | Avoid release to the environment. |

| Cedarwood oil, Texas (68990-83-0) | |
|---|---|
| Other information | Avoid release to the environment. |

| benzyl benzoate (120-51-4) | |
|---|---|
| Other information | Avoid release to the environment. |

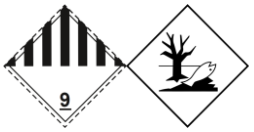
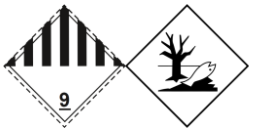
## SECTION 13: Disposal considerations

### 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.
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 | UN 3082 |
| **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) | 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) |
| **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 | 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 |
| **14.3. Transport hazard class(es)** | | | | |
| 9 | 9 | 9 | 9 | 9 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| III | III | III | III | III |
| **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 | 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, 650 |
| 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, 375, 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 |
| 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, 650 |
| 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, 650 |
| 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

## 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) | 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) | CHESTNUT HONEY CC-16147 ; Phenylethyl alcohol ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; Linalool ; Benzyl alcohol ; Sandela ; Cedarwood oil, Texas ; Cinnamic aldehyde ; Hexyl cinnamic aldehyde ; beta-Caryophyllene ; Clove Leaf Oil ; Triplal (Vertocitral) ; Cedramber ; Benzyl salicylate ; Benzyl benzoate | 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) | CHESTNUT HONEY CC-16147 ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; Sandela ; Cedarwood oil, Texas ; Cinnamic aldehyde ; Hexyl cinnamic aldehyde ; Triplal (Vertocitral) ; Cedramber ; Benzyl salicylate ; Benzyl benzoate | 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 |

**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

### 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 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)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |

| Abbreviations and acronyms: | |
|---|---|
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disruptor |

Other information : None.

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| 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 |
| EUH208 | Contains {0\|message≤name of sensitising substance>\|fieldvalue=_SENSITIZER_COMPONENTS}. May produce an allergic reaction. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Flam. Sol. 2 | Flammable solids, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| H226 | Flammable liquid and vapour. |
| H228 | Flammable solid. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

| Full text of H- and EUH-statements: | |
|---|---|
| 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.