# Cajeput essential oil, organic, Vietnam

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 9/25/2020 Revision date: 11/24/2022 Supersedes version of: 1/21/2022 Version: 3.0

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

### 1.1. Product identifier

| | |
|---|---|
| Product form | : Substance |
| Substance name | : Cajeput essential oil, organic, Vietnam |
| IUPAC name | : Cajuput, ext. [Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Melaleuca leucadendron, Myrtaceae.] |
| EC-No. | : 287-316-4 |
| CAS-No. | : 85480-37-1 |
| Product code | : 10059_VNM |
| Type of product | : Essential oil |
| Product group | : Raw material |

### 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

#### 1.2.2. Uses advised against

No additional information available

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

SIRIUS SAS
57 Chemin de la Métairie Haute
81580 CAMBOUNET SUR LE SOR
France
T + 33 (0)5-32-09-11-72
contact@sirius-bio.com

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| | |
|---|---|
| Flammable liquids, Category 3 | H226 |
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| 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 1 | H410 |

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

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

Flammable liquid and vapour. Suspected of damaging fertility or the unborn child. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08 GHS09

Signal word (CLP) : Warning

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
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.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P391 - Collect spillage.

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : Cajeput essential oil, organic, Vietnam

CAS-No. : 85480-37-1

EC-No. : 287-316-4

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| 1,8 Cineole | CAS-No.: 470-82-6<br>EC-No.: 207-431-5 | 50 – 80 | Flam. Liq. 3, H226<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319 |
| Alpha terpineol | CAS-No.: 98-55-5<br>EC-No.: 202-680-6 | 5 – 20 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| Limonene | CAS-No.: 138-86-3<br>EC-No.: 227-813-5<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119529223-47 | 1 – 10 | 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 1, H410 |
| 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 | 1 – 5 | Skin Sens. 1B, H317 |
| Gamma terpinene | CAS-No.: 99-85-4<br>EC-No.: 202-794-6 | 0.1 – 5 | Repr. 2, H361<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| Paracymene | CAS-No.: 99-87-6<br>EC-No.: 202-796-7<br>EC Index-No.: 601-094-00-1 | 0.1 – 5 | Repr. 2, H361<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>Acute Tox. 3 (Inhalation), H331 |
| Alpha pinene | CAS-No.: 80-56-8<br>EC-No.: 201-291-9<br>REACH-no: 01-2119519223-49 | 1 – 5 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304 |
| Beta Caryophyllene | CAS-No.: 87-44-5<br>EC-No.: 201-746-1 | 0.1 – 5 | Skin Sens. 1B, H317<br>Asp. Tox. 1, H304 |
| myrcene beta | CAS-No.: 123-35-3<br>EC-No.: 204-622-5 | 0.1 – 5 | Asp. Tox. 1, H304<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315 |
| Terpinolene | CAS-No.: 586-62-9<br>EC-No.: 209-578-0 | 0.1 – 5 | Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Skin Sens. 1B, H317 |
| Beta Pinene | CAS-No.: 127-91-3<br>EC-No.: 204-872-5 | 0.1 – 5 | Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Alpha terpinene | CAS-No.: 99-86-5<br>EC-No.: 202-795-1 | 0.1 – 5 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| Terpinen-4-ol | CAS-No.: 562-74-3<br>EC-No.: 209-235-5 | 0.1 – 5 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| Beta Eudesmol | CAS-No.: 473-15-4 | 0.1 – 5 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| Alpha Phellandrene | CAS-No.: 99-83-2<br>EC-No.: 202-792-5 | 0.1 – 1 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Aquatic Chronic 1, H410<br>Aquatic Acute 1, H400 |
| Geraniol * | CAS-No.: 106-24-1<br>EC-No.: 203-377-1<br>EC Index-No.: 603-241-00-5<br>REACH-no: 01-2119552430-49 | < 1 | Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 |
| Alpha Guaiene | CAS-No.: 3691-12-1 | < 1 | Asp. Tox. 1, H304<br>Eye Irrit. 2, H319<br>Skin Irrit. 2, H315 |
| Borneol | CAS-No.: 507-70-0<br>EC-No.: 208-080-0 | < 1 | Skin Irrit. 2, H315<br>Flam. Sol. 1, H228<br>Aquatic Chronic 2, H411 |
| Delta 3-carene | CAS-No.: 13466-78-9<br>EC-No.: 236-719-3 | < 1 | Skin Sens. 1, H317<br>Skin Irrit. 2, H315<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Acute Tox. 4 (Inhalation), H332<br>Aquatic Chronic 2, H411 |
| 1,4-cineol | CAS-No.: 470-67-7<br>EC-No.: 207-428-9 | < 1 | Flam. Liq. 3, H226 |
| Valencene | CAS-No.: 4630-07-3<br>EC-No.: 225-047-6 | < 1 | Asp. Tox. 1, H304 |
| Sabinene | CAS-No.: 3387-41-5<br>EC-No.: 222-212-4 | < 1 | Acute Tox. 4 (Oral), H302 |
| Geranyl acetate | CAS-No.: 105-87-3<br>EC-No.: 203-341-5 | < 1 | Skin Sens. 1B, H317<br>Skin Irrit. 2, H315<br>Aquatic Chronic 3, H412 |
| benzaldehyde | CAS-No.: 100-52-7<br>EC-No.: 202-860-4<br>EC Index-No.: 605-012-00-5 | < 1 | STOT SE 3, H335<br>Eye Irrit. 2, H319<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332 |
| Cis Beta Ocimene | CAS-No.: 3338-55-4<br>EC-No.: 222-081-3 | < 1 | Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315 |
| Nerol | CAS-No.: 106-25-2<br>EC-No.: 203-378-7<br>REACH-no: 01-2119983244-33 | < 1 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319 |
| 6-Methyl-5-Heptene-2-One | CAS-No.: 110-93-0<br>EC-No.: 203-816-7 | < 1 | Flam. Liq. 3, H226 |
| Acetone | CAS-No.: 67-64-1<br>EC-No.: 200-662-2<br>EC Index-No.: 606-001-00-8 | < 1 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Eugenol | CAS-No.: 97-53-0<br>EC-No.: 202-589-1 | < 1 | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 |
| Camphene | CAS-No.: 79-92-5<br>EC-No.: 201-234-8 | < 0.1 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Neral | CAS-No.: 106-26-3<br>EC-No.: 203-379-2 | < 0.1 | Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317 |
| Citronellol * | CAS-No.: 106-22-9<br>EC-No.: 203-375-0<br>REACH-no: 01-2119453995-23 | < 0.1 | Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317 |
| Farnesol * | CAS-No.: 4602-84-0<br>EC-No.: 225-004-1 | < 0.1 | Skin Sens. 1B, H317<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 1, H410<br>Aquatic Acute 1, H400 |
| Methyl eugenol | CAS-No.: 93-15-2<br>EC-No.: 202-223-0 | < 0.1 | Acute Tox. 4 (Oral), H302<br>Carc. 2, H351<br>Muta. 2, H341 |

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

### 3.2. Mixtures

Not established.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all 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.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

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 : Water spray. Dry powder. Foam. Carbon dioxide.

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

Fire hazard : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : 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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. 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. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

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. 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

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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

| Acetone (67-64-1) | |
|---|---|
| **France - Occupational Exposure Limits** | |
| Local name | Acétone |
| VME (OEL TWA) | 1210 mg/m³ |
| VME (OEL TWA) [ppm] | 500 ppm |
| VLE (OEL C/STEL) | 2420 mg/m³ |
| VLE (OEL C/STEL) [ppm] | 1000 ppm |
| Remark | Valeurs règlementaires contraignantes |
| Regulatory reference | Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487; Décret n° 2020-1546; Décret n° 2021-434; Décret n° 2021-1849) |

#### 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

### 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 symbol(s):**

#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

[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.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Colourless to clear yellow. |
| Appearance | : Liquid. |
| Odour | : Fresh. cineol like. aromatic. Rising. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : 157 – 210 °C Atm. press.: 1011 hPa |
| Flammability | : Flammable liquid and vapour. |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : 47 °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 | : 0.9 – 0.93 |
| 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

Refractive index : 1.462 – 1.469

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## 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

| Cajeput essential oil, organic, Vietnam (85480-37-1) | |
|---|---|
| LD50 oral | 3870 mg/kg bodyweight |

| 1,8 Cineole (470-82-6) | |
|---|---|
| LD50 oral | 2480 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

| Alpha terpineol (98-55-5) | |
|---|---|
| LD50 oral rat | 4300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2900 - 5700 |
| LD50 oral | 4300 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal rabbit | > 3000 mg/kg OECD 402 |

| Limonene (138-86-3) | |
|---|---|
| LD50 oral | 4400 mg/kg bodyweight |
| LD50 dermal | > 2000 mg/kg bodyweight |

| Linalool * (78-70-6) | |
|---|---|
| LD50 oral rat | 2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2440 - 3180 |
| LD50 oral | 2790 mg/kg bodyweight |
| LD50 dermal rabbit | 5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374 |
| LD50 dermal | 5610 mg/kg bodyweight |

| Alpha pinene (80-56-8) | |
|---|---|
| LD50 oral | 3700 mg/kg bodyweight |
| LD50 dermal | > 5000 mg/kg bodyweight |

| Gamma terpinene (99-85-4) | |
|---|---|
| LD50 oral | 3650 mg/kg bodyweight |

| | |
|---|---|
| **Beta Pinene (127-91-3)** | |
| LD50 oral rat | 300 – 2000 mg/kg OCDE 423 |
| LD50 dermal rat | > 2000 mg/kg |
| **Terpinolene (586-62-9)** | |
| LD50 oral | 3775 mg/kg bodyweight |
| LD50 dermal rabbit | > 4300 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| **Paracymene (99-87-6)** | |
| LD50 oral | 4750 mg/kg bodyweight |
| LC50 Inhalation - Rat (Vapours) | 9.7 mg/l/4h |
| **Alpha terpinene (99-86-5)** | |
| LD50 oral | 1680 mg/kg bodyweight |
| **Geraniol * (106-24-1)** | |
| LD50 oral rat | 3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570 |
| LD50 oral | 2100 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit |
| LD50 dermal | > 5000 mg/kg bodyweight |
| **benzaldehyde (100-52-7)** | |
| LD50 oral rat | ≈ 1430 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,33 - 1,54 |
| LD50 oral | 1430 mg/kg bodyweight |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit |
| LD50 dermal | 2500 mg/kg bodyweight |
| LC50 Inhalation - Rat | 1 – 5 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method) |
| LC50 Inhalation - Rat (Dust/Mist) | 1.5 mg/l/4h |
| **Borneol (507-70-0)** | |
| LD50 oral | 2500 mg/kg bodyweight |
| **Cis Beta Ocimene (3338-55-4)** | |
| LD50 oral | 5000 mg/kg bodyweight |
| **Nerol (106-25-2)** | |
| LD50 oral | 4500 mg/kg bodyweight |
| LD50 dermal | > 5000 mg/kg bodyweight |
| **Eugenol (97-53-0)** | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LD50 oral | 1500 – 1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| **Camphene (79-92-5)** | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: other:rat and mouse |
| LD50 oral | > 5000 mg/kg bodyweight Animal: mouse |
| LD50 dermal rat | > 2500 mg/kg bodyweight Animal: |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit |
| LC50 Inhalation - Rat | > 25 mg/l air Animal: |

| Delta 3-carene (13466-78-9) | |
|---|---|
| LD50 oral | 4800 mg/kg bodyweight |
| LC50 Inhalation - Rat (Dust/Mist) | 1.5 mg/l/4h |

| Neral (106-26-3) | |
|---|---|
| LD50 dermal | 2250 mg/kg bodyweight |

| 1,4-cineol (470-67-7) | |
|---|---|
| LD50 oral | 3100 mg/kg bodyweight |

| Acetone (67-64-1) | |
|---|---|
| LD50 oral rat | 5800 mg/kg bodyweight Animal: rat, Animal sex: female |
| LC50 Inhalation - Rat | 76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4 |

| Citronellol * (106-22-9) | |
|---|---|
| LD50 oral | 3450 mg/kg bodyweight |
| LD50 dermal | 2650 mg/kg bodyweight |

| Farnesol * (4602-84-0) | |
|---|---|
| LD50 oral | > 20000 mg/kg bodyweight |
| LD50 dermal | > 15000 mg/kg bodyweight |

| Methyl eugenol (93-15-2) | |
|---|---|
| LD50 oral | 1180 mg/kg bodyweight |

Skin corrosion/irritation : Causes skin irritation.

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

| Geraniol * (106-24-1) | |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years) | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other: |

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

| Alpha terpineol (98-55-5) | |
|---|---|
| NOAEL (animal/male, F0/P) | ≥ 750 mg/kg OECD 422 |
| NOAEL (animal/female, F0/P) | ≥ 750 mg/kg OECD 422 |

| Terpinolene (586-62-9) | |
|---|---|
| NOAEL (animal/male, F0/P) | 294.6 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (animal/female, F0/P) | 161.5 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

| Acetone (67-64-1) | |
|---|---|
| LOAEL (animal/female, F0/P) | 11298 mg/kg bodyweight Animal: mouse, Animal sex: female |
| NOAEL (animal/male, F0/P) | 900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information) |

STOT-single exposure : Not classified

| benzaldehyde (100-52-7) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

| Acetone (67-64-1) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

| 1,8 Cineole (470-82-6) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 600 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:japanese Ministry of Economy Trade and Industry Guideline for 28 day repeat oral dose toxicity study., Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Nonrodents) |

| Alpha terpineol (98-55-5) | |
|---|---|
| NOAEL (oral, rat, 90 days) | ≥ 314 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

| Linalool * (78-70-6) | |
|---|---|
| LOAEL (dermal, rat/rabbit, 90 days) | Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |

| Geraniol * (106-24-1) | |
|---|---|
| NOAEL (dermal, rat/rabbit, 90 days) | 300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other: |

| benzaldehyde (100-52-7) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 300 mg/kg bodyweight Animal: other:rat and mouse |

| Eugenol (97-53-0) | |
|---|---|
| NOAEL (subchronic, oral, animal/male, 90 days) | ≥ 900 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:OECD Guideline 451 (Carcinogenicity Studies) |
| NOAEL (subchronic, oral, animal/female, 90 days) | 450 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:OECD Guideline 451 (Carcinogenicity Studies) |

| Citronellol * (106-22-9) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 2000 mg/kg bodyweight Animal: rat, Guideline: other:Specifications for the Conduct of Studies to Evaluate the Toxic and Carcinogenic Potential of Chemical, Biological, and Physical Agents in Laboratory Animals for the National Toxicology Program (NTP) |

Aspiration hazard : Not classified

| Linalool * (78-70-6) | |
|---|---|
| Viscosity, kinematic | 5.192 mm²/s |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

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

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

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

Not rapidly degradable

| Cajeput essential oil, organic, Vietnam (85480-37-1) | |
|---|---|
| EC50 - Crustacea [1] | 0.307 mg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | 0.475 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| 1,8 Cineole (470-82-6) | |
|---|---|
| LC50 - Fish [1] | 57 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |

| 1,8 Cineole (470-82-6) | |
|---|---|
| EC50 72h - Algae [1] | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1] | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| Alpha terpineol (98-55-5) | |
|---|---|
| LC50 - Fish [1] | 70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 73 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | ≈ 68 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | ≈ 17 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| Limonene (138-86-3) | |
|---|---|
| LC50 - Fish [1] | 0.72 mg/l |
| EC50 - Other aquatic organisms [1] | 0.36 mg/l waterflea |

| Linalool * (78-70-6) | |
|---|---|
| LC50 - Fish [1] | 27.8 mg/l |
| EC50 - Crustacea [1] | 59 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 20 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 88.3 mg/l |
| EC50 96h - Algae [1] | 88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 96h - Algae [2] | 156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

| Alpha pinene (80-56-8) | |
|---|---|
| LC50 - Fish [1] | 0.28 mg/l |
| EC50 - Other aquatic organisms [1] | 1.44 mg/l waterflea |

| Terpinolene (586-62-9) | |
|---|---|
| LC50 - Fish [1] | 0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 0.634 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0.692 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 0.302 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| Geraniol * (106-24-1) | |
|---|---|
| LC50 - Fish [1] | ≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 10.8 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 10.8 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 13.1 mg/l |
| EC50 72h - Algae [1] | 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

| benzaldehyde (100-52-7) | |
|---|---|
| NOEC chronic fish | 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' |

| Eugenol (97-53-0) | |
|---|---|
| LC50 - Fish [1] | 13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 1.05 mg/l Test organisms (species): Daphnia magna |

| Camphene (79-92-5) | |
|---|---|
| LC50 - Fish [1] | 0.72 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 0.72 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 1.75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| Acetone (67-64-1) | |
|---|---|
| LOEC (chronic) | > 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | ≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| Citronellol * (106-22-9) | |
|---|---|
| LC50 - Fish [1] | 10 mg/l |
| EC50 - Crustacea [1] | 17.48 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 17.48 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 2.38 mg/l |
| EC50 72h - Algae [1] | 2.4 mg/l Test organisms (species): |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Limonene (138-86-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.38 |

| Linalool * (78-70-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.84 |

| Alpha pinene (80-56-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.32 |

| Geraniol * (106-24-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.5 |

| Nerol (106-25-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.47 |

| Citronellol * (106-22-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.1 |

| Farnesol * (4602-84-0) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 5.77 |

### 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

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

## 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 1197 | UN 1197 | UN 1197 | UN 1197 | UN 1197 |
| **14.2. UN proper shipping name** | | | | |
| EXTRACTS, FLAVOURING, LIQUID | EXTRACTS, FLAVOURING, LIQUID | Extracts, flavouring, liquid | EXTRACTS, FLAVOURING, LIQUID | EXTRACTS, FLAVOURING, LIQUID |
| **Transport document description** | | | | |
| UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1197 Extracts, flavouring, liquid, 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS |
| **14.3. Transport hazard class(es)** | | | | |
| 3 | 3 | 3 | 3 | 3 |
|  |  |  |  |  |
| **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 | 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) : F1

Special provisions (ADR) : 601

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T2

Portable tank and bulk container special provisions (ADR) : TP1

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

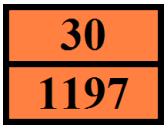
Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30

Orange plates :




Tunnel restriction code (ADR) : D/E

**Transport by sea**

Special provisions (IMDG) : 223, 955

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

| | |
|---|---|
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T2 |
| Tank special provisions (IMDG) | : TP1 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-D |
| Stowage category (IMDG) | : A |
| Properties and observations (IMDG) | : Usually consist of alcoholic solutions. Miscibility with water depends upon the composition. |

**Air transport**

| | |
|---|---|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 366 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3 |
| ERG code (IATA) | : 3L |

**Inland waterway transport**

| | |
|---|---|
| Classification code (ADN) | : F1 |
| Special provisions (ADN) | : 601 |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01 |
| Number of blue cones/lights (ADN) | : 0 |

**Rail transport**

| | |
|---|---|
| Classification code (RID) | : F1 |
| Special provisions (RID) | : 601 |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T2 |
| Portable tank and bulk container special provisions (RID) | : TP1 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Colis express (express parcels) (RID) | : CE4 |
| Hazard identification number (RID) | : 30 |

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

Not established.

## 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)**

No REACH Annex XVII restrictions

**REACH Annex XIV (Authorisation List)**

Cajeput essential oil, organic, Vietnam is not on the REACH Annex XIV List

**REACH Candidate List (SVHC)**

Cajeput essential oil, organic, Vietnam is not on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Cajeput essential oil, organic, Vietnam is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

### POP Regulation (Persistent Organic Pollutants)

Cajeput essential oil, organic, Vietnam is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### Ozone Regulation (1005/2009)

Cajeput essential oil, organic, Vietnam is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

### Explosives Precursors Regulation (2019/1148)

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

**ANNEX II REPORTABLE EXPLOSIVES PRECURSORS**

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

| Name | CAS-No. | Combined Nomenclature code (CN) | Combined Nomenclature code for mixture without constituents which would determine classification under another CN code |
|---|---|---|---|
| Acetone | 67-64-1 | 2914 11 00 | ex 3824 99 92 |

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

### Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

| Name | CN designation | CAS-No. | CN code | Category | Threshold | Annex |
|---|---|---|---|---|---|---|
| Acetone | | 67-64-1 | 2914 11 00 | Category 3 | | Annex I |

### 15.1.2. National regulations

### France

| Occupational diseases | |
|---|---|
| Code | Description |
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes | | | |
|---|---|---|---|
| Section | Changed item | Change | Comments |
| | Supersedes | Modified | |
| | Revision date | Modified | |
| 1.1 | CAS-No. | Modified | |
| 16 | Abbreviations and acronyms | Modified | |

| 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 |

| Abbreviations and acronyms: | |
|---|---|
| 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 |
| 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 disrupting properties |

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| 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 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |

| Full text of H- and EUH-statements: | |
|---|---|
| Flam. Sol. 1 | Flammable solids, Category 1 |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H228 | Flammable solid. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H341 | Suspected of causing genetic defects. |
| H351 | Suspected of causing cancer. |
| 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. |
| Muta. 2 | Germ cell mutagenicity, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

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.