

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: CM1031
Product name: FR THE
Chemical name and synonym: Essence in hydro-alcoholic solution
UFI: FQ10-20UT-200Y-W9JA

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

Intended use: Perfume for the environment

| Identified Uses | Industrial | Professional | Consumer |
|-----------------|------------|--------------|----------|
| Consumer use | | ✓ | ✓ |

Uses Advised Against

Not to be used as a personal perfume.

1.3. Details of the supplier of the safety data sheet

Name: CULTI MILANO SpA
Full address: Via dell'Aprica, 12
District and Country: 20158 Milano (MI)
Italy
Tel. +39 02/49784974
Fax +39 02/49789135

e-mail address of the competent person

responsible for the Safety Data Sheet: culti@culti.com

1.4. Emergency telephone number

For urgent inquiries refer to

CULTI MILANO SpA - Tel. +39 02/49784974 (Contact from Monday to Friday from 8.30 / 12.30 AM- 1.30 / 6.00 PM)

ITALIAN POISON CENTER

Ospedale Niguarda Cà Granda - Milano Tel. +39 02/66101029

CAV Centro Nazionale Informazione Tossicologica - Pavia Tel. +39 0382/24444

Centro Antiveleni Bergamo - +39 80011858 (CAV Ospedali Riuniti - Bergamo)

Centro Antiveleni Verona - +39 800011858 (Azienda Ospedaliera Integrata - Verona)

Centro Antiveleni Firenze - Tel. +39 055/7947819 (Azienda Ospedaliera 'Careggi' U.O. Tossicologia Medica-Firenze)

Centro Antiveleni Roma - Tel. +39 06/3054343 (CAV Policlinico Gemelli - Roma)

Centro Antiveleni Roma - Tel. +39 06/49978000 (CAV Policlinico Umberto I - Roma)

Centro Antiveleni Roma - Tel. +39 06/68593726 (CAV Osp. Pediatrico 'Bambino Gesù' DEA - Roma)

Centro Antiveleni Napoli - Tel. +39 081/7472870 (CAV Ospedale Cardarelli - Napoli)

Centro Antiveleni Foggia - Tel. +39 800183459 (CAV Az. Osp. Univ. Foggia - Foggia)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

| | | |
|--------------------------------|------|--------------------------------------|
| Flammable liquid, category 2 | H225 | Highly flammable liquid and vapour. |
| Eye irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin sensitization, category 1 | H317 | May cause an allergic skin reaction. |

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2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements:

P501 Dispose of contents / container to local rulements.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing / eye protection / face protection.
P101 If medical advice is needed, have product container or label at hand.
P370+P378 In case of fire: use chemical extinguisher to extinguish.
P102 Keep out of reach of children.

Contains:

2-Phenylmethyloctanal
 (R)-P-MENTHA-1,8-DIENE
 Linalyl acetate
 Geraniol
 Citronellol
 Linalool

PACK2 The packing must have tactile indications of danger for blind people.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.
 The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) |
|----------------------------------|------------------|--------------------------------------|
| ETHANOL | | |
| CAS 64-17-5 | $86 \leq x < 90$ | Flam. Liq. 2 H225, Eye Irrit. 2 H319 |
| EC 200-578-6 | | |
| INDEX 603-002-00-5 | | |
| REACH Reg. 01-2119457610-43-0000 | | |

| | |
|-------------------------|--|
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| FR THE | |

2-Phenylmethyloctanal

CAS 165184-98-5 $1 \leq x < 1,5$ Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

EC 639-566-4

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REACH Reg. 01-2119533092-50

(R)-P-MENTHA-1,8-DIENE

CAS 5989-27-5 $1 \leq x < 1,5$ Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412

EC 227-813-5

INDEX 601-096-00-2

REACH Reg. 01-2119529223-47

Linalyl acetate

CAS 115-95-7 $1 \leq x < 1,5$ Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

EC 204-116-4

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REACH Reg. 01-2119983608-21-0000

Linalool

CAS 78-70-6 $0,5 \leq x < 0,6$ Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

EC 201-134-4

INDEX 603-235-00-2

REACH Reg. 01-2119474016-42-0000

Citronellol

CAS 106-22-9 $0,3 \leq x < 0,35$ Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

EC 203-375-0

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REACH Reg. 01-2119453995-23-0000

Geraniol

CAS 106-24-1 $0,3 \leq x < 0,35$ Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317

EC 203-377-1

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REACH Reg. 01-2119552430-49-0000

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)
Information not available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

| | | |
|-----|----------------|--|
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| | TLV-ACGIH | ACGIH 2021 |

| ETHANOL | | | | | | | | |
|--|----------------------|----------------|---------------|------------------|--------------------|------------------------|---------------|------------------|
| Threshold Limit Value | | | | | | | | |
| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations | | |
| | | mg/m3 | ppm | mg/m3 | ppm | | | |
| VLEP | FRA | 1900 | 1000 | 9500 | 5000 | | | |
| WEL | GBR | 1920 | 1000 | | | | | |
| TLV-ACGIH | | | | 1884 | 1000 | | | |
| Predicted no-effect concentration - PNEC | | | | | | | | |
| Normal value in fresh water | | | | 0,96 | | mg/l | | |
| Normal value in marine water | | | | 0,79 | | mg/l | | |
| Normal value for fresh water sediment | | | | 3,6 | | mg/kg/d | | |
| Normal value for marine water sediment | | | | 2,9 | | mg/kg/d | | |
| Normal value for water, intermittent release | | | | 2,75 | | mg/l | | |
| Normal value of STP microorganisms | | | | 580 | | mg/l | | |
| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | |
| | Effects on consumers | | | | Effects on workers | | | |
| Route of exposure | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Inhalation | | | | 950 mg/m3 | | 1884 mg/m3 | | |
| Skin | | | | | | | | 343 mg/kg/d |

| 2-Phenylmethylenooctanal | | | | | | | | |
|--|----------------------|----------------|---------------|---------|--------------------|-------|---------------|---------|
| Predicted no-effect concentration - PNEC | | | | | | | | |
| Normal value in fresh water | | | 0,00126 | mg/l | | | | |
| Normal value in marine water | | | 126 | ng/L | | | | |
| Normal value for fresh water sediment | | | 3,2 | mg/kg/d | | | | |
| Normal value for marine water sediment | | | 0,064 | mg/kg/d | | | | |
| Normal value for water, intermittent release | | | 0,00247 | mg/l | | | | |
| Normal value of STP microorganisms | | | 10 | mg/l | | | | |
| Normal value for the terrestrial compartment | | | 0,398 | mg/kg/d | | | | |
| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | |
| | Effects on consumers | | | | Effects on workers | | | |
| Route of exposure | Acute local | Acute systemic | Chronic local | Chronic | Acute local | Acute | Chronic local | Chronic |

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 13,75 mg/kg bw/d | | | | |
| Inhalation | | | | 47,8 mg/m3 | | | | 161,6 mg/m3 |
| Skin | | | | 7,5 mg/kg bw/d | | | | 12,5 mg/kg bw/d |

Citronellol

Predicted no-effect concentration - PNEC

| | | |
|--|---------|---------|
| Normal value in fresh water | 0,0024 | mg/l |
| Normal value in marine water | 240 | ng/L |
| Normal value for fresh water sediment | 0,0256 | mg/kg/d |
| Normal value for marine water sediment | 0,00256 | mg/kg/d |
| Normal value of STP microorganisms | 580 | mg/l |
| Normal value for the terrestrial compartment | 0,00371 | mg/kg/d |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 13,8 mg/kg bw/d | | | | |
| Inhalation | | | | 47,8 mg/m3 | | | | 161,6 mg/m3 |
| Skin | | | | 196,4 mg/kg bw/d | | | | 327,4 mg/kg bw/d |

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose

class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--|-------------------------------|--|
| Appearance | Clear liquid | Concentration: 100 % Temperature: 20 °C |
| Colour | colourless | Concentration: 100 % Temperature: 20 °C |
| Odour | characteristic | Concentration: 100 % Temperature: 20 °C |
| Odour threshold | Not applicable | |
| Melting point / freezing point | Not available | |
| Initial boiling point | 80 °C | Concentration: 100 % |
| Flammability | flammable liquid | Concentration: 100 % |
| Lower explosive limit | 3,5 % (v/v) | |
| Upper explosive limit | 15 % (v/v) | |
| Flash point | < 23 °C | Concentration: 100 % |
| Auto-ignition temperature | 430 °C | Concentration: 100 % |
| pH | 7 | Concentration: 100 % Temperature: 20 °C |
| Kinematic viscosity | Not available | |
| Solubility | partially soluble in water | Concentration: 100 % Temperature: 20 °C |
| Partition coefficient: n-octanol/water | Not available | |
| Vapour pressure | Not available | |
| Density and/or relative density | 0,82 - 0,84 g/cm ³ | Concentration: 100 % Temperature: 20 °C |
| Relative vapour density | Not available | |
| Particle characteristics | Not applicable | |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

| | | | | |
|----------------------------|---------|---|----------------|----------------------|
| VOC (Directive 2010/75/EU) | 87,16 % | - | 740,86 g/litre | Concentration: 100 % |
| VOC (volatile carbon) | 45,46 % | - | 386,44 g/litre | Concentration: 100 % |

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| ATE (Oral) of the mixture: ATE (Dermal) of the mixture: | | Not classified (no significant component) Not classified (no significant component) |
| ETHANOL LD50 (Oral): LC50 (Inhalation vapours): | | > 5000 mg/kg Rat 120 mg/l/4h Pimephales promelas |
| 2-Phenylmethylenooctanal LD50 (Oral): LD50 (Dermal): | | 3100 mg/kg Rat 3000 mg/kg Rabbit |
| Linalyl acetate LD50 (Oral): LD50 (Dermal): | | 9000 mg/kg Rat 5000 mg/kg Rabbit |
| Linalool LD50 (Oral): LD50 (Dermal): | | 2790 mg/kg Rat 5610 mg/kg Rabbit |
| Geraniol LD50 (Oral): LD50 (Dermal): | | 3600 mg/kg Rat 5000 mg/kg Rabbit |
| <u>SKIN CORROSION / IRRITATION</u> Does not meet the classification criteria for this hazard class | | |
| <u>SERIOUS EYE DAMAGE / IRRITATION</u> Causes serious eye irritation | | |
| <u>RESPIRATORY OR SKIN SENSITISATION</u> Sensitising for the skin | | |
| <u>Respiratory sensitization</u> Information not available | | |
| <u>Skin sensitization</u> Information not available | | |
| <u>GERM CELL MUTAGENICITY</u> Does not meet the classification criteria for this hazard class | | |
| <u>CARCINOGENICITY</u> Does not meet the classification criteria for this hazard class | | |
| <u>REPRODUCTIVE TOXICITY</u> Does not meet the classification criteria for this hazard class | | |
| <u>Adverse effects on sexual function and fertility</u> Information not available | | |
| <u>Adverse effects on development of the offspring</u> Information not available | | |
| <u>Effects on or via lactation</u> Information not available | | |
| <u>STOT - SINGLE EXPOSURE</u> Does not meet the classification criteria for this hazard class | | |

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Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

(R)-P-MENTHA-1,8-DIENE

LC50 - for Fish

35 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

69,6 mg/l/48h Daphnia pulex

Geraniol

LC50 - for Fish

22 mg/l/96h

EC50 - for Crustacea

4 mg/l/48h

EC50 - for Algae / Aquatic Plants

13,1 mg/l/72h

Linalool

LC50 - for Fish

27,8 mg/l/96h

EC50 - for Crustacea

59 mg/l/48h

EC10 for Algae / Aquatic Plants

54,3 mg/l/4d

Linalyl acetate

LC50 - for Fish

11 mg/l/96h

EC50 - for Crustacea

59 mg/l/48h

EC50 - for Algae / Aquatic Plants

68 mg/l/72h

Citronellol

LC50 - for Fish

14,66 mg/l/96h

EC50 - for Crustacea

17,48 mg/l/48h

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| EC50 - for Algae / Aquatic Plants | 2,4 mg/l/72h | |
| 2-Phenylmethylenooctanal | | |
| LC50 - for Fish | 1,7 mg/l/96h | |
| EC50 - for Crustacea | > 0,36 mg/l/48h | |
| Chronic NOEC for Fish | 0,93 mg/l | |
| Chronic NOEC for Algae / Aquatic Plants | 0,065 mg/l (72h) | |
| 12.2. Persistence and degradability | | |
| (R)-P-MENTHA-1,8-DIENE | | |
| Solubility in water | 0,1 - 100 mg/l | |
| Rapidly degradable | | |
| ETHANOL | | |
| Solubility in water | 1000 - 10000 mg/l | |
| Rapidly degradable | | |
| Geraniol | | |
| Solubility in water | 100 mg/l | |
| Rapidly degradable | | |
| Linalool | | |
| Solubility in water | 1,56 g/l | |
| Rapidly degradable | | |
| Linalyl acetate | | |
| Solubility in water | 30 mg/l | |
| Rapidly degradable | | |
| Citronellol | | |
| Solubility in water | 307 mg/l | |
| Rapidly degradable | | |
| 2-Phenylmethylenooctanal | | |
| Solubility in water | 1,62 mg/l | |
| Rapidly degradable | | |
| 12.3. Bioaccumulative potential | | |
| (R)-P-MENTHA-1,8-DIENE | | |
| Partition coefficient: n-octanol/water | 4,38 | |
| BCF | 1022 | |
| ETHANOL | | |
| Partition coefficient: n-octanol/water | -0,35 | |
| Geraniol | | |
| Partition coefficient: n-octanol/water | 2,6 Log Kow @ 25°C | |

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Linalool

Partition coefficient: n-octanol/water

2,9 Log Kow @ 20°C

Linalyl acetate

Partition coefficient: n-octanol/water

3,9 Log Kow

BCF

174 L/kg ww

Citronellol

Partition coefficient: n-octanol/water

3,41 Log Kow @ 25°C

2-Phenylmethyloctanal

Partition coefficient: n-octanol/water

5,3 Log Kow

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessmentOn the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available.

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information**14.1. UN number or ID number**

ADR / RID, IMDG, IATA: 1266

14.2. UN proper shipping name

ADR / RID: PERFUMERY PRODUCTS

IMDG: PERFUMERY PRODUCTS

IATA: PERFUMERY PRODUCTS

14.3. Transport hazard class(es)

FR THE

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3

IATA: Class: 3 Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA: II

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33

Limited Quantities: 5 L

Tunnel restriction code:
(D/E)

Special provision: 163, 640D

IMDG: EMS: F-E, S-D

Limited Quantities: 5 L

IATA: Cargo:

Maximum quantity: 60 L

Packaging instructions: 364

Pass.:

Maximum quantity: 5 L

Packaging instructions: 353

Special provision:

A3, A72

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant.

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| | |
|--------------------------|--|
| Flam. Liq. 2 | Flammable liquid, category 2 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| Skin Sens. 1 | Skin sensitization, category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute toxicity, category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods

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- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2019/521 (XII Atp. CLP)
 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
 17. Regulation (EU) 2019/1148
 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 08 / 09 / 11 / 12 / 14 / 15 / 16.