

# Organic Peppermint essential oil

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2017/776)

Version:3.0

Version date:11/08/2020

Language:EN

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

#### 1.1. Product identifier

|                   |   |                                  |
|-------------------|---|----------------------------------|
| Substance name    | : | Organic Peppermint essential oil |
| INCI              | : | Mentha Piperita Oil              |
| EC No             | : | 282-015-4                        |
| REACH No          | : | 01-2119974601-36-****            |
| CAS No            | : | 84082-70-2                       |
| FEMA No           | : | 2848                             |
| CoE No            | : | 282n                             |
| Article No (user) | : | MP10055                          |

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

|                          |   |                                   |
|--------------------------|---|-----------------------------------|
| Relevant identified uses | : | Perfumes, scented products (PC28) |
|--------------------------|---|-----------------------------------|

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

|          |   |   |
|----------|---|---|
| Supplier | : | Name: ALTHO Laboratory<br>Street: Lieu-dit Encapin<br>Postal code/City: 32120 Monfort<br>Country: France :<br>Telephone: +33(0)5 62 05 54 35<br>Telefax: +33(0)5 62 05 04 67<br>Website: www.laboratoirealtho.fr<br>E-mail: contact@laboratoirealtho.fr |
|----------|---|---|

#### 1.4. Emergency Telephone Number

European Union: -

### SECTION 2: Hazards identification


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

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

| Classification    | Hazard statements (H) |  |
|-------------------|-----------------------|--|
| Asp. Tox. 1       | H304                  | May be fatal if swallowed and enters airways.    |
| Skin Irrit. 2     | H315                  | Causes skin irritation.                          |
| Skin Sens. 1B     | H317                  | May cause an allergic skin reaction.             |
| Eye Irrit. 2      | H319                  | Causes serious eye irritation                    |
| Aquatic Chronic 2 | H411                  | Toxic to aquatic life with long lasting effects. |

#### 2.2. Label elements

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

|                                      |  |
|--------------------------------------|--|
| Hazard pictograms                    |   |
| Signal word                          | Danger   |
| Product identifiers                  | -  |
| Hazard Statements                    | H304 - May be fatal if swallowed and enters airways.<br>H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation<br>H411 - Toxic to aquatic life with long lasting effects. |
| Supplemental Hazard information (EU) | -  |
| Precautionary Statements - General   | -  |

|                                       |  |
|---------------------------------------|--|
| Precautionary Statements - Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash your hands after handling<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.   |
| Precautionary Statements - Response   | P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P331 - Do NOT induce vomiting.<br>P332+P313 - In case of skin irritation: Consult a physician.<br>P333+P313 - If irritation or rash occurs: Consult a physician.<br>P337+P313 - If eye irritation persists: Seek medical attention.<br>P391 - Collect spillage. |
| Precautionary Statements - Storage    | P405 - Store locked up.  |
| Precautionary Statements - Disposal   | P501 - Dispose of contents/container in an approved centre in accordance with national regulations.  |

### 2.3. Other hazards

Not available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Substance  | C (%)     | Classification  | Specific concentration limits | Note |
|--|-----------|---|-------------------------------|------|
| Peppermint, ext.<br>CAS N°:84082-70-2<br>EC N°:282-015-4 | C≤ 100.0% | H315: Causes skin irritation.<br>H317: May cause an allergic skin reaction.<br>H319: Causes serious eye irritation<br>H412: Harmful to aquatic life with long lasting effects | -                             | -    |

### 3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European CHEMicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

### 3.3. Remark

Text phrases and H- EUH-: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                    |   |  |
|------------------------------------|---|--|
| General information                | : | In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended. Keep affected person warm, still and covered.    |
| Following inhalation               | : | Remove person to fresh air and keep comfortable for breathing. No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator. If breathing is irregular or stopped, administer artificial respiration. |
| Following skin contact             | : | Change contaminated, saturated clothing. Take off contaminated clothing. In case of skin irritation, consult a physician. After contact with skin, wash immediately with plenty of water and soap.                       |
| Following eye contact              | : | In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.                             |
| Following ingestion                | : | Never give anything by mouth to an unconscious person or a person with cramps. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  |
| Self-protection of the first aider | : | First aider: Pay attention to self-protection!.  |

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

|                      |   |                        |
|----------------------|---|------------------------|
| Notes for the doctor | : | Treat symptomatically. |
|----------------------|---|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.  
Unsuitable extinguishing media : Strong water jet.

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

Formation of toxic gases is possible during heating or in case of fire.

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Remove persons to safety. Use appropriate respiratory protection. Provide adequate ventilation.

### 6.2. Environmental precautions

Ensure that waste is collected and contained. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid release to the environment. Cover drains. Ensure all waste water is collected and treated via a waste water treatment plant. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. Contain leaks or spills within cabinets with removable trays.

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

Treat the recovered material as prescribed in the section on waste disposal. Collect in closed and suitable containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Collect spillage. Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

### 6.4. Reference to other sections

Safe handling: see section 7. Disposal: see section 13. Personal protection equipment: see section 8.

### 6.5. Additional information

Not available

## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

#### PROTECTIVE MEASURES

Avoid contact with skin, eyes and clothes.

If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.

Provide adequate ventilation as well as local exhaustion at critical locations.

Wear personal protective clothing (see section 8).

Sewers and ducts must be protected against the entry of the product.

Provide for retaining containers, eg. floor pan without outflow.

Use only in well-ventilated areas.

Vapours/aerosols should be exhausted directly at the point of origin.

Avoid breathing gas/fumes/vapour/spray.

#### Advices on general occupational hygiene

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

Work in well ventilated zones or use proper respiratory protection.

Wash contaminated clothing before reuse.

Street clothing should be stored separately from work clothing.

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

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep container in upright position in order to prevent leakage.

#### Requirements for storage rooms and vessels

Store locked up.

Use isolated drainage to prevent discharge to soil.

Ensure adequate ventilation of the storage area.

### Advice on joint storage

Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL-/PNEC-values

Peppermint, ext.:

##### DNEL worker

|                   | short-term            |   | long-term             |                       |
|-------------------|-----------------------|---|-----------------------|-----------------------|
|                   | systemic              | Local                                   | systemic              | Local                 |
| <b>Oral</b>       | Not assessed          |   | Not assessed          |                       |
| <b>Dermal</b>     | No hazards identified | Danger identified but no DNEL available | 5mg/kg bw/day         | No hazards identified |
| <b>Inhalation</b> | No hazards identified | No hazards identified                   | 35.3mg/m <sup>3</sup> | No hazards identified |

##### DNEL consumer

|                   | short-term            |   | long-term            |                       |
|-------------------|-----------------------|---|----------------------|-----------------------|
|                   | systemic              | Local                                   | systemic             | Local                 |
| <b>Oral</b>       | No hazards identified |   | 2.5mg/kg bw/day      |                       |
| <b>Dermal</b>     | No hazards identified | Danger identified but no DNEL available | 2.5mg/kg bw/day      | No hazards identified |
| <b>Inhalation</b> | No hazards identified | No hazards identified                   | 8.7mg/m <sup>3</sup> | No hazards identified |

#### PNEC

|                                    |                       |
|------------------------------------|-----------------------|
| PNEC aquatic, freshwater           | 5.4µg/l               |
| PNEC aquatic, marine water         | 0.54µg/l              |
| PNEC aquatic, intermittent release | 5.77µg/l              |
| PNEC sediment, freshwater          | 1.3mg/kg dw           |
| PNEC sediment, marine water        | 0.13mg/kg dw          |
| PNEC soil                          | 0.29mg/kg dw          |
| PNEC sewage treatment plant (STP)  | 1.8mg/l               |
| PNEC air                           | No hazards identified |
| PNEC secondary poisoning           | No hazards identified |

### 8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaust at critical locations.

Personal protection equipment



Eye/face protection

: Suitable eye protection: Wear eye protection equipment. Recommended eye protection articles: Eye glasses

Skin protection

: Hand protection: Wear protective gloves.  
Hand protection: NBR (nitrile rubber)  
Hand protection: Do not wear gloves near machines and rotating tools.  
Hand protection: Use gloves only once.  
Hand protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.  
Hand protection: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Hand protection: For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
 Hand protection: Breakthrough times and swelling properties of the material must be taken into consideration. Body protection: Lab coat.

Respiratory protection : Respiratory protection necessary at: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus: Wear respiratory protection. Remark: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.  
 Remark: Observe the wear time limits as specified by the manufacturer.  
 Remark: Use only respiratory protection equipment with CE-symbol including four digit test number.

### 8.3. Additional information

Not available

## SECTION 9: Physical and chemical Properties

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

|   |   |
|---|---|
| Physical state:                                   | Liquid  |
| Colour:   | Colorless To Pale Greenish Yellow                       |
| Odour:  | Characteristic Of Mint, Sweet, Minty, Fresh, Herbaceous |
| Odour threshold:                                  | Not available   |
| pH:   | Not available   |
| Melting point/freezing point:                     | Not available   |
| Initial boiling point and boiling range:          | Not available   |
| Flash point:                                      | 66°C  |
| Evaporation rate:                                 | Not available   |
| Flammability:                                     | Not available   |
| Upper/lower flammability or explosive limits:     | Not available   |
| Vapour pressure:                                  | Not available   |
| Vapour density:                                   | <1  |
| Relative density:                                 | 0.820 – 0.950 at 20 °C                                  |
| Solubility(ies):                                  | Insoluble.  |
| Partition coefficient: n-octanol/water (Log KOC): | Not available   |
| Auto-ignition temperature:                        | Not available   |
| Decomposition temperature:                        | Not available   |
| Viscosity:  | <7 mm <sup>2</sup> /s (2°C)                             |
| Explosive properties:                             | Not available   |
| Oxidising properties:                             | Not available   |

### 9.2. Other safety information

Not available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

This product is stable to shock, vibration and pressure under normal conditions of use. Avoid prolonged contact with air, light, heat which could induce degradation and oxidation of the product.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.

### 10.5. Incompatible materials

P.V.C.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## 10.7. Additional information

Not available

## SECTION 11: Toxicological information

### 11.1. Acute oral toxicity

#### Data for mixture

Not available

#### Substances

##### Peppermint, ext. (CAS: 84082-70-2)

Species : Rat  
Sex : Male  
Guideline : OECD Guideline 401 (Acute Oral Toxicity)

| Subendpoint | Operator | Value | Unit     |
|-------------|----------|-------|----------|
| LD50:       | ≈        | 2650  | mg/kg bw |

Conclusion : The substance is considered to be practically non toxic by oral route.

### 11.2. Acute skin toxicity

#### Data for mixture

Not available

#### Substances

##### Peppermint, ext. (CAS: 84082-70-2)

Species : Rabbit  
Sex : No data  
Guideline : OECD Guideline 402 (Acute Dermal Toxicity)  
Exposure duration/value : 24  
Exposure duration/unit : h

| Subendpoint | Operator | Value | Unit     |
|-------------|----------|-------|----------|
| LD50:       | >        | 5000  | mg/kg bw |

Conclusion : The substance is considered to be practically non toxic by the dermal route.

### 11.3. Acute inhalation toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.4. Skin corrosion

#### Data for mixture

Not available

#### Substances

Not available

### 11.5. Eye damage

#### Data for mixture

Not available

#### Substances

Not available

### 11.6. Skin sensitisation

#### Data for mixture

Not available

#### Substances

Not available

### 11.7. STOT RE

#### Data for mixture

Not available

#### Substances

Not available

### 11.8. STOT SE

#### Data for mixture

Not available

#### Substances

Not available

### 11.9. STOT RE

#### Data for mixture

Not available

#### Substances

Not available

### 11.10. Carcinogenicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.11. Reproductive and Developmental Toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.12. Genotoxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.13. In vitro genotoxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.14. Respiratory sensitisation

#### Data for mixture

Not available

#### Substances

Not available

### Additional information

Not available

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

#### Acute aquatic toxicity

#### Substances

##### Peppermint, ext. (CAS: 84082-70-2)

Animals/category : Fish  
Species : n.a.  
Test duration : 96  
Unit : h  
Guideline : (Q)SAR

| Subendpoint | Value | Unit |
|-------------|-------|------|
| LC50:       | 3.4   | mg/L |

Animals/category : Crustacean  
 Species : Daphnia (Daphnia magna)  
 Test duration : 48  
 Unit : h  
 Guideline : (Q)SAR

| Subendpoint | Value | Unit |
|-------------|-------|------|
| EC50        | 2.7   | mg/L |

Animals/category : alga or cyanobacteria  
 Species : n.a.  
 Test duration : 96  
 Unit : h  
 Guideline : (Q)SAR

| Subendpoint | Value | Unit |
|-------------|-------|------|
| EC50        | 2.61  | mg/L |

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

### 12.7. Additional ecotoxicological information

Not available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Product/Packaging disposal

Waste disposal in accordance with Directives 2006/12/EC and 2008/98/EC, covering waste and hazardous waste.  
 The product may be incinerated in a plant approved by the competent authorities.

Waste codes/waste names according to LoW :

- 15 01 01 Paper/cardboard packaging (case).
- 15 01 02 Plastics packaging (cap, dropper, canister).
- 15 01 04 Metal packagings (can, drum).
- 15 01 07 Glass packaging (vial).
- 16 07 99 Wastes not otherwise specified (product).

The packaging may not be disposed of in the household waste. It may be disposed of with or without product at a waste disposal centre or by an approved body.

Waste should not be disposed of by discharge into the sewer system.





The regulations relating to waste are codified in the Environment Code, according to Order n°2000-914 of 18 September 2000 relating to the legislative part of the Environment Code. The various texts from Article L. 541-1 to Article L. 541-50 can be found in Book V (Prevention of pollution, risks and nuisances), Title IV (Waste), Chapter I (Waste disposal and material recovery).

### 13.2. Additional information

Not available



## SECTION 14: Transport information

|                                  | Land transport (ADR/RID)  | Inland waterway transport (ADN)   | Sea transport (IMDG)  | Air transport (ICAO-TI/IATA-DGR)  |
|----------------------------------|---|---|---|---|
| 14.1. UN number                  | 3082  | 3082  | 3082  | 3082  |
| 14.2. UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                               | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                               | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                 |
| 14.3. Transport hazard class(es) |   |   |   |   |
| Class or Division                | 9   | 9   | 9   | 9   |
| Hazard label(s)                  |  |  |  |  |
| 14.4. Packing group              | III   | III   | III   | III   |

### 14.5. Environmental hazards

Marine Pollutant: Yes.

### 14.6. Special precautions for user

Rules to be observed when loading packages for road transport:

- Refer to ADR Table 7.5.2 on mixed loading prohibitions.
- When loading packages, it is forbidden to smoke in the vicinity of the vehicles.
- Check that the packages are properly secured in the vehicle.
- Check that the driver has the required safety instructions and equipment if the thresholds established by ADR are exceeded.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not concerned.

### 14.8. Additional information

#### Land transport (ADR/RID)

Excepted Quantities (EQ): 5L

Limited Quantity (LQ): E1

Transport category: 3

Tunnel restriction code : (-)

Customs tariff code: 3301 29 41 00

## SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

#### National regulations

The regulatory information included in this section only recalls the main requirements specifically applicable to the product covered by the MSDS. The basic Community texts cited are subject to updates and are transcribed into national law. It is recommended to refer to any international, national or local measures or provisions that may apply. The user's attention is drawn to the possible existence of other provisions supplementing these requirements.

EU legislation

**Regulation:** REACH : Annex XVII (Restrictions)

| Substance              | CAS       | EC        |
|------------------------|-----------|-----------|
| (R)-p-mentha-1,8-diene | 5989-27-5 | 227-813-5 |

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### 15.3. Additional information

Not available

## SECTION 16: Other information

Creation date: 11/08/2020  
 Version date: 11/08/2020  
 Printing date: 11/08/2020

### 16.1. Indication of changes

Not applicable (first edition of the MSDS).

### 16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CLP: Classification, labeling and packaging. VPvB: very persistent and very bioaccumulative substances.

### 16.3. Key literature references and sources for data

No data available.

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

|      |                   |   |
|------|-------------------|---|
| H304 | Asp. Tox. 1       | May be fatal if swallowed and enters airways.     |
| H315 | Skin Irrit. 2     | Causes skin irritation.                           |
| H317 | Skin Sens. 1B     | May cause an allergic skin reaction.              |
| H319 | Eye Irrit. 2      | Causes serious eye irritation                     |
| H411 | Aquatic Chronic 2 | Toxic to aquatic life with long lasting effects.  |
| H412 | Aquatic Chronic 3 | Harmful to aquatic life with long lasting effects |

### 16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

### 16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.