Safety Data Sheet

Organic Peppermint Essential Oil (Mentha piperita)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Peppermint Oil, Organic</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Biological Definition</th>
<th>The volatile oil obtained by steam distillation of the leaves and flowering tops of Mentha x piperita L. Mitcham type. Fam. Labiatae, usually followed by the purely physical processes of dementholation and rectification.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>INCI Name</th>
<th>Mentha Piperita Oil</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Synonyms &amp; Trade Names</th>
<th>Mentha piperita Extract</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CAS-No</th>
<th>84082-70-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC No.</td>
<td>282-015-4</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>282-015-4</td>
</tr>
</tbody>
</table>

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

NHR Organic Oils, 24 CHATHAM PLACE, BRIGHTON BN1 3TN (UK)

1.4 Emergency Tel. No.

0845 310 8068

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The Full Text for all Hazard Statements are displayed in Section 16.

Classification (EC 1272/2008)

Physical and Chemical Hazards: Flam. Liq. 4 - H227

Human health: Acute Tox. 5 - H303; Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Asp. Tox. 1 – H304

Environment: Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS08  GHS07  GHS09

Signal Word

Danger.

Contains

Alpha pinene natural, L-LIMONENE.

Hazard Statements

H227 Combustible liquid.
H303 May be harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
## Precautionary Statements

- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## Supplementary Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P261 Avoid breathing vapour/spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash contaminated skin thoroughly after handling.
- P321 Specific treatment (see medical advice on this label).
- P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P311 Do NOT induce vomiting.
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P333+313 If skin irritation or rash occurs: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P403+235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container to...

## 2.3 Other Hazards

- PBT or vPvB according to Annex XIII: No additional data available.
- Adverse physio-chemical properties: No additional data available.
- Adverse effects on human health: No additional data available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Ingredient</th>
<th>CAS-No.</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.0-60.0%</td>
<td>L-Menthol</td>
<td>2216-51-5</td>
<td>218-690-9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification (EC 1272/2008) Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>15.0-30.0%</td>
<td>Menthone</td>
<td>89-80-5</td>
<td>201-941-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification (EC 1272/2008) Aquatic Chronic 3 - H412</td>
<td></td>
</tr>
<tr>
<td>5.0 – 10.0%</td>
<td>Methyl Acetate</td>
<td>89-48-5</td>
<td>201-911-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification (EC 1272/2008) Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
<tr>
<td>2.5-5.0%</td>
<td>1,8 Cineol</td>
<td>470-82-6</td>
<td>207-431-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification (EC 1272/2008) Flam. Liq. 3 - H226</td>
<td></td>
</tr>
<tr>
<td>3.0 – 7.5%</td>
<td>Menthofuran</td>
<td>494-90-6</td>
<td>207-795-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Aquatic Chronic2 - H411</td>
<td></td>
</tr>
</tbody>
</table>
### 2.5 – 5.0% Alpha Pinene Natural CAS-No.: 80-56-8 EC No.: 201-291-9

### 1.0 – 5.0% L-Limonene CAS-No.: 5989-54-8 EC No.: 227-815-6

### 1.0 – 5.0% Pulegone CAS-No.: 15932-80-6 EC No.: 240-070-1
Classification (EC 1272/2008) Acute Tox. 4 - H302

### 0.5 – 2.5% Beta Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1
Classification (EC 1272/2008) Asp. Tox. 1 - H304

### 1.0 – 5.0% Iso-Menthone CAS-No.: 1196-31-2 EC No.: 214-813-5

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>Description of first aid measures</th>
<th>Inhalation</th>
<th>Ingestion</th>
<th>Skin Contact</th>
<th>Eye Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.</td>
<td>Immediately rinse mouth and drink plenty of water (200–300 ml). Get medical attention immediately!</td>
<td>Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.</td>
<td>Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.</td>
<td></td>
</tr>
</tbody>
</table>

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

- **Inhalation:**
  - May irritate respiratory tract.
- **Ingestion:**
  - May cause nausea.
- **Skin contact:**
  - May cause irritation and stinging.
- **Eye contact:**
  - May cause irritation and reddening.

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

No additional data available.

#### 05. FIRE-FIGHTING MEASURES

##### 5.1 Extinguishing Media

- Extinguishing media:
  - Foam, carbon dioxide or dry powder.
- Unsuitable extinguishing media:
  - Do not use a direct stream of water.
5.2 Special hazards arising from the product

Hazardous combustion products:
Carbon monoxide, unidentified organic compounds may be formed during combustion.

5.3 Advice for firefighters

Special Fire Fighting Procedures:
In case of overheating, cool containers to avoid a pressure increase.
Protective equipment for fire-fighters:
Wear protective clothing and avoid inhalation of vapours.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up.

Soak up spillage with sand or other inert absorbant material such as earth or vermiculite, transfer used material to a suitable waste container and dispose on accordance with regulations.

6.4 Reference to other sections

Take Risk, Safety and Precautionary phrases (section 16) into account.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation of vapours/spray and contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional data available.

8.2 Exposure controls

Protective Equipment

<table>
<thead>
<tr>
<th>Process Conditions</th>
<th>Safety shower and eye bath.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Measures</td>
<td>Provide adequate ventilation.</td>
</tr>
<tr>
<td>Respiratory Equipment</td>
<td>Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Chemical resistant gloves (PVC).</td>
</tr>
<tr>
<td>Eye Protection</td>
<td>Wear approved safety goggles.</td>
</tr>
<tr>
<td>Other Protection</td>
<td>Wear rubber apron.</td>
</tr>
</tbody>
</table>
9. HYGIENE MEASURES

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Personal Protection
Use personal protection according to Directive 89/686/EEC.

Skin Protection
Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls
Avoid discharging into drainage water. Only eliminate by authorised companies.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless to pale yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic.</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.880 - 0.915 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>&gt;65</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.450 - 1.470 @ 20°C</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Solubility in Water @20°C</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td>No additional data available.</td>
</tr>
</tbody>
</table>

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

No additional data available.

10.4 Conditions to Avoid

Extreme Temperatures.

10.5 Incompatible materials

Materials To Avoid
Highly reactive chemicals, such as concentrated sulphuric acid, which may produce unknown reaction products and so cause additional hazards.

10.6 Hazardous Decomposition Products

Not known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Not available for a complex mixture of different substances.</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Photo-toxicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Other Information</td>
<td>No additional data available.</td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No additional data available.

#### 12.2 Persistence & degradability

Degradability: No data available.

#### 12.3 Bioaccumulation Potential

Bioaccumulative potential: No data available on bioaccumulation.

#### 12.4 Mobility in soil

Mobility: The product is insoluble in water.

#### 12.5 Results of PBT and vPvB Assessment

No additional data available.

#### 12.6 Other adverse effects

No additional data available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of in compliance with all local and national regulations.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

- UN No. Road: 3082
- UN No. SEA: 3082
- UN No. AIR: 3082

#### 14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (limonene / alphapinene)

#### 14.3 Transport hazard class(es)

- ADR/RID/ADN Class 9
- ADR/RID/ADN Class 9: Miscellaneous dangerous substances and articles.
- IMDG Class 9
- ICAO Class/Division 9

Transport Labels
### 14.4 Packing group

ADR/RID/ADN Packing group III  
IMDG Packing group III  
ICAO Packing group III

### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

### 14.6 Special precautions for user

EMS F-A-S-F  
Emergency Action Code 3Z  
Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.  
Tunnel Restriction Code (E)

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Tariff Number 3301 2410

### 15. REGULATORY INFORMATION

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

Statutory Instruments  

Guidance Notes  
Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation  

#### 15.2 Chemical safety assessment

No additional information available.

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Hazard and/or Precautionary Statements in Full</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>H315 Causes skin irritation.</td>
<td></td>
</tr>
<tr>
<td>H227 Combustible liquid.</td>
<td></td>
</tr>
<tr>
<td>H226 Flammable liquid and vapour.</td>
<td></td>
</tr>
<tr>
<td>Other Information</td>
<td>None</td>
</tr>
<tr>
<td>-------------------</td>
<td>------</td>
</tr>
<tr>
<td>Revision Date</td>
<td>13/10/2015</td>
</tr>
<tr>
<td>Reason for revision</td>
<td>New SDS</td>
</tr>
<tr>
<td>Rev No/Repl, SDS Generated</td>
<td>01</td>
</tr>
</tbody>
</table>

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