# Safety Data Sheet

**Organic Melissa Essential Oil - Lemon Balm (Melissa officinalis)**

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

### 1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Melissa Oil Organic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>Melissa Officinalis Leaf Oil is a volatile oil obtained from the leaves and tops of the <em>Balmminetoil, Melissa officinalis L., Labiatae</em>.</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Melissa Officinalis Leaf Oil</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>EC No.</th>
<th>EINECS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>84082-61-1 / 8014-71-9</td>
<td>282-007-0 / -</td>
<td>282-007-0 / -</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 8066

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

The Full Text for all Hazard Statements is Displayed in Section 16.

**Classification (EC 1272/2008)**

- Physical and Chemical Hazards: Not classified.
- Human health:
  - Skin Irrit. 2 - H315
  - Eye Dam. 1 - H318
  - Skin Sens. 1 - H317
- Environment:
  - Aquatic Acute 2 - H401
  - Aquatic Chronic 3 - H412

### 2.2 Label Elements

Label in accordance with (EC) No 1272/2008

- Signal Word: Danger
- Contains: Citral, Citronellal, Citronellol, Geraniol
- Hazard Statements:
  - H315: Causes skin irritation.
  - H317: May cause an allergic skin reaction.
  - H318: Causes serious eye damage.
H401  Toxic to aquatic life.
H412  Harmful to aquatic life with long lasting effects.

Precautionary Statements

P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P264  Wash ... thoroughly after handling.
P272  Contaminated work clothing should not be allowed out of the workplace.
P273  Avoid release to the environment.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310  Immediately call a POISON CENTER or doctor/physician.
P311  Specific treatment (see ... on this label).
P332+313 If skin irritation occurs: Get medical advice/attention.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P363  Wash contaminated clothing before reuse.
P501  Dispose of contents/container to ...

Supplementary Precautionary Statements

None

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

60-100% CITRAL  CAS-No.: 5392-40-5, EC.: 226-394-6

5-10% GERANIOL  CAS-No.: 106-24-1, EC.: 203-377-1

1-5% Citronellal  CAS-No.: 106-23-0, EC.: 203-376-6

1-5% Citronellol  CAS-No.: 106-22-9, EC.: 203-375-0

1-5% Linalool  CAS-No.: 78-70-6, EC.: 201-134-4
Classification (EC 1272/2008): Skin Irrit. 2 - H315,

4.  FIRST AID MEASURES

4.1  Description of first aid measures

Inhalation  Provide fresh air immediately. Seek medical attention if discomfort occurs.
Ingestion  Rinse mouth and drink plenty of water. Provide fresh air. Do NOT induce vomiting Seek medical
## 4. Skin Contact
Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.

## 4. Eye Contact
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention if discomfort continues. Continue to rinse.

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

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Symptoms and Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May cause irritation of the lungs</td>
</tr>
<tr>
<td>Ingestion</td>
<td>A large dose may cause irritation of mouth, throat and digestive tract.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Prolonged contact may cause sensitisation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause conjunctiva irritation and corneal damage.</td>
</tr>
</tbody>
</table>

### 4.3 Indication of any immediate medical attention and special treatment needed
No additional data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media
Extinguishing media: Carbon dioxide (CO₂). Dry Chemical Powder. Chemical Foam. Unsuitable extinguishing media: Do not use direct water jet on burning material

### 5.2 Special hazards arising from the product
In case of fire; hazardous fumes may be produced.

### 5.3 Advice for firefighters
Avoid inhalation of vapours. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Containers may be cooled to avoid pressure increase.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures
Remove sources of ignition. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in section 8

### 6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.

### 6.3 Methods and material for containment and cleaning up.
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations.

### 6.4 Reference to other sections
Wear protective clothing as described in section 8.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling
Use in accordance with good industrial / laboratory procedures. Keep containers leak proof closed and dry. Protect against sun/light, heat and open flame. Prevent spills and leakages to avoid slip hazard. Avoid inhalation of vapours and contact with skin and eyes.

### 7.2 Conditions for safe storage, including any incompatibilities
Store the product in cool (5°C) and well-ventilated environment in closed glass or aluminium containers. Keep away from sources of ignition. Intrusion into soil to be avoided. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.
7.3 Specific end use(s)

No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Linalool Cas No: 78-70-6 No exposure limits noted for ingredients.

8.2 Exposure controls

Protective Equipment

Process Conditions

Provide eye wash station

Engineering Measures

Engineering methods to prevent or control exposure are preferred. Methods include personnel segregation, mechanical ventilators and control of process conditions.

Respiratory Equipment

No special measures required providing good ventilation is maintained. If vapour becomes high then use approved respirator.

Hand Protection

Wear protective (chemical resistant) gloves.

Eye Protection

Wear approved safety glasses.

Other Protection

Use solvent resistant overalls

Hygiene Measures

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

Personal Protection

Avoid inhalation and contact with skin and eyes.

Skin Protection

Wear protective clothing in case of splashing

Environmental Exposure Controls

Avoid discharging into drainage water.

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>Clear liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.8860 - 0.9060 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>75</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.4810 - 1.4840 @ 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>No additional data available</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 additional data available

10.2 Chemical stability
<table>
<thead>
<tr>
<th>10.3 Possible hazardous reactions</th>
<th>No additional data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.4 Conditions to Avoid</td>
<td>No additional data available</td>
</tr>
<tr>
<td>10.5 Incompatible materials</td>
<td>Combustible and may give rise to hazardous fumes</td>
</tr>
<tr>
<td>10.6 Hazardous Decomposition Products</td>
<td>No additional data available</td>
</tr>
</tbody>
</table>

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>No data regarding toxicity, but it must be considered and handled and should be dealt with the highest possible caution.</th>
</tr>
</thead>
<tbody>
<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>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 data regarding eco-toxicity, but it must be considered that this product may be dangerous for the environment.

12.2 Persistence & degradability

No additional data available

12.3 Bioaccumulation Potential

No additional data available

12.4 Mobility in soil

No additional data available

12.5 Results of PBT and vPvB Assessment

No additional data available

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Collect and dispose of waste product at an authorised disposal facility. Product remainders should not
### 14. TRANSPORT INFORMATION

#### 14.1 UN number

<table>
<thead>
<tr>
<th>UN No. Road</th>
<th>Not bound by transport regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. SEA</td>
<td>Not bound by transport regulations</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>Not bound by transport regulations</td>
</tr>
</tbody>
</table>

#### 14.2 UN proper shipping name

Not bound by transport regulations

#### 14.3 Transport hazard class(es)

Not bound by transport regulations

#### 14.4 Packing group

Not bound by transport regulations

#### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

#### 14.6 Special precautions for user

none

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

No additional data available

### 15. REGULATORY INFORMATION

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

- **Statutory Instruments**
- **Approved Code of Practise**
  - Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
- **Guidance Notes**
  - CHIP for everyone HSG(108). Workplace Exposure Limits EH40
- **EU Legislation**

#### 15.2 Chemical safety assessment

No additional data available
### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Hazard and/or Precautionary Statements in Full</th>
<th>H318 Causes serious eye damage.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>H315 Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H412 Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td></td>
<td>H317 May cause an allergic skin reaction.</td>
</tr>
<tr>
<td></td>
<td>H411 Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td></td>
<td>H401 Toxic to aquatic life.</td>
</tr>
</tbody>
</table>

Other Information: None

Revision Date: 29/07/2015

Reason for revision: New SDS

Rev No/Repl, SDS Generated: 01

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