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

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Ho Leaf Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>Cinnamomum Camphora Linalooliferum Leaf Oil is an essential oil obtained from the leaves of the Camphor Tree, <em>Cinnamomum camphora</em> (L.) var. <em>linalooliferum</em>., Lauraceae. Syn. Ho leaf oil</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Cinnamomum Camphora Linalooliferum Leaf Oil</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS-No</th>
<th>91745-89-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC No.</td>
<td>294-760-2</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>294-760-2</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

Oils4life Limited, 26 Blake Drive, Bradwell, Great Yarmouth, Norfolk, NR31 9GW.
Emergency Tel No: 01493 600045

1.4 Emergency Tel. No.  
Emergency Tel No: 01493 600045

02. 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: Not classified.
Human health Asp.: Skin Irrit. 2 - H315, Eye Irrit. 2 - H319
Environment: Not classified

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

| GHS07 |

Signal Word         | Warning |
Contains             | Linalool |
Hazard Statements    |          |
H315 Causes skin irritation |
H319 Causes serious eye irritation |
Precautionary Statements |
P305/351/338 If in eyes wash cautiously in water for several minutes, remove contact lenses if present and easy to do |
Supplementary Precautionary Statements |
- |

2.3 Other Hazards
03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>PBT or vPvB according to Annex XIII</th>
<th>No additional data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adverse physio-chemical properties</td>
<td>No additional data available</td>
</tr>
<tr>
<td>Adverse effects on human health</td>
<td>No additional data available</td>
</tr>
</tbody>
</table>

90.0-98.0% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4

Classification (EC 1272/2008) Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402

04. FIRST AID MEASURES

4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Wash mouth out with water and obtain medical advice immediately.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Flush with plenty of water and seek medical advice if necessary.</td>
</tr>
</tbody>
</table>

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material

5.2 Special hazards arising from the product

None.

5.3 Advice for firefighters

Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

6.2 Environmental Precautions

Do not discharge directly into drains or soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up.

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

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

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

### 7.3 Specific end use(s)

No additional data available.

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#### 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters

| Linalool (CAS: 78-70-6) | Ingredient Comments | No exposure limits noted for ingredient(s). |

##### 8.2 Exposure controls

**Protective Equipment**

- **Process Conditions**: Provide eyewash station.
- **Engineering Measures**: Provide adequate ventilation.
- **Respiratory Equipment**: Not normally required. Avoid breathing product vapour. Apply local ventilation where possible.
- **Hand Protection**: Avoid all skin contact. Use chemically resistant gloves if required.
- **Eye Protection**: Use safety glasses if required.
- **Other Protection**: Wear appropriate clothing to prevent any possibility of skin contact.
- **Hygiene Measures**: Wash hands with soap & water after handling.
- **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.

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#### 09. 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>Mobile liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Linalolic, floral</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.8560 to 0.8650 @ 20 °C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>72°C</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.4600 to 1.4640 @ 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</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**
It presents no significant reactivity hazards, by itself or in contact with water.

**10.3 Possible hazardous reactions**
No additional data available.

**10.4 Conditions to Avoid**
Avoid storage temperatures over 25°C. Avoid sparks & open flames.

**10.5 Incompatible materials**
Avoid contact with strong acids, alkali or oxidising agents.

**10.6 Hazardous Decomposition Products**
Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

### 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Acute oral toxicity: Oral-rat LD50 3270 mg/kg FCT 2, 327 (1964).</td>
</tr>
<tr>
<td></td>
<td>Acute dermal toxicity: Skin-rabbit LD50 &gt; 5000 mg/kg FCT. 12, 917 (1974).</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>Category 2 under GHS &amp; CLP.</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>Category 2 under CLP. Wear face/eye protection when handling</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>Not photo-toxic.</td>
</tr>
<tr>
<td>Other Information</td>
<td>No additional data available</td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

**12.1 Toxicity**
Ecotoxicity: No available weight-of-evidence summary indicating groundwater toxicity.

**12.2 Persistence & degradability**
Degradability : No 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

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

14. TRANSPORT INFORMATION

14.1 UN number

<table>
<thead>
<tr>
<th>UN No. Road</th>
<th>Not classified.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. SEA</td>
<td>Not classified.</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>Not classified.</td>
</tr>
</tbody>
</table>

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

Not classified

14.4 Packing group

Not classified

14.5 Environmental hazards

Not classified.

14.6 Special precautions for user

None.

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

-

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>H315 Causes skin irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td>Other Information</td>
<td>None</td>
</tr>
<tr>
<td>Revision Date</td>
<td>08/09/15</td>
</tr>
<tr>
<td>Reason for revision</td>
<td>New SDS</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Rev No/Repl, SDS Generated</td>
<td>01</td>
</tr>
</tbody>
</table>

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