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

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Lavandin Oil Sumian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>Lavandula Hybrida Oil is an essential oil distilled from the flowering herbs of the Lavandin, Lavandula hybrida, Labiatae.</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Lavandula Hybrida Oil</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>-</td>
</tr>
<tr>
<td>CAS-No</td>
<td>8022-15-9 / 91722-69-9</td>
</tr>
<tr>
<td>EC No.</td>
<td>297-385-2</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>297-385-2</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

Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912

1.4 Emergency Tel. No.

+ 44 (0) 161 633 3952

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)

- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS07

Signal Word | Warning.
---|---
Contains | Eucalyptol
| bornan-2-one
| d-limonene
| Geranyl Acetate
| Beta pinene
| oct-1-en-3-yl acetate
| Geraniol
| Alpha pinene
### Hazard Statements

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P273 Avoid release to the environment.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 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.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Ingredient</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Classification (EC 1272/2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0-50.0%</td>
<td>Linalool</td>
<td>78-70-6</td>
<td>201-134-4</td>
<td>Skin Irrit. 2 - Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>25.0 – 50.0%</td>
<td>Linalyl Acetate</td>
<td>115-95-7, EINECS: 204-116-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5 – 10.0%</td>
<td>Eucalyptol</td>
<td>470-82-6, EC: 207-431-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5 – 10.0%</td>
<td>Camphor</td>
<td>21368-68-3, EC: 244-350-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5-10%</td>
<td>Bornan-2-one</td>
<td>76-22-2, EC: 207-355-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;2.5%</td>
<td>DL-Borneol</td>
<td>507-70-0 EC: 208-080-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;2.5%</td>
<td>p-menth-1-en-4-ol</td>
<td>562-74-3, EINECS: 209-235-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;2.5%</td>
<td>p-menth-1-en-8-ol</td>
<td>98-55-5, EC: 202-680-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Classification (EC 1272/2008) Skin Irrit. 2, H315; Eye Irrit. 2, H319

<2.5% d-Limonene CAS: 5989-27-5, EC: 227-813-5

Classification (EC 1272/2008) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317

<2.5% Geranyl Acetate CAS: 105-87-3, EC: 203-341-5

Classification (EC 1272/2008) Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412

<2.5% Beta Pinene CAS-No.: 127-91-3 EC No.: 204-872-5

Classification (EC 1272/2008) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317

<2.5% oct-1-en-3-yl acetate CAS: 2442-10-6, EC: 219-474-7

Classification (EC 1272/2008) Acute Tox. 4, H302; Skin Sens. 1, H317

<2.5% Geraniol CAS: 106-24-1, EC: 203-377-1

Classification (EC 1272/2008) Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Irrit. 2, H315

<2.5% Alpha Pinene CAS: 80-56-8 EC: 201-291-9

Classification (EC 1272/2008) Flam. Sol. 2, H228

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation. Supply fresh air.

Ingestion
Inform doctor. Do not give milk or fatty oils.

Skin Contact
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.

Eye Contact
Rinse opened eye for several minutes under running water.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information 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

Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the product
5.3 Advice for firefighters

No special measures required.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental Precautions

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
. Requirements to be met by storeroms and receptacles: Store only in unopened original receptacles.
. Information about storage in one common storage facility: Not required.
. Further information about storage conditions:
Keep receptacle tightly sealed.
Store in the dark.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

76-22-2 bornan-2-one
WEL Short-term value: 19 mg/m³, 3 ppm
Long-term value: 13 mg/m³, 2 ppm
### 8.2 Exposure controls

#### Protective Equipment

<table>
<thead>
<tr>
<th>Process Conditions</th>
<th>Provide eyewash station. Wash hands before breaks and at the end of work.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Measures</td>
<td>Provide adequate ventilation.</td>
</tr>
<tr>
<td>Respiratory Equipment</td>
<td>Not required.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.</td>
</tr>
<tr>
<td>Eye Protection</td>
<td>Avoid contact with eyes. Tightly sealed goggles.</td>
</tr>
<tr>
<td>Other Protection</td>
<td>Avoid contact with the eyes and skin.</td>
</tr>
<tr>
<td>Hygiene Measures</td>
<td>Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>Use personal protection according to Directive 89/686/EEC.</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>Avoid contact with the skin. Wear apron or protective clothing in case of splashes.</td>
</tr>
<tr>
<td>Environmental Exposure Controls</td>
<td>Avoid discharging into drainage water. Only eliminate by authorised companies.</td>
</tr>
</tbody>
</table>

### 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>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.891 - 0.899 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>76°C</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.458 - 1.462 @ 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 additional data available.

10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possible hazardous reactions
No dangerous reactions known.

10.4 Conditions to Avoid
No additional data available.

10.5 Incompatible materials
No additional data available.

10.6 Hazardous Decomposition Products
No decomposition if used according to specifications.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects
<table>
<thead>
<tr>
<th>Effect</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Based on available data, the classification criteria are not met.</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
No additional data available.

12.3 Bioaccumulation Potential
No additional data available.

12.4 Mobility in soil
No additional data available.

Ecotoxicological effects:
Remark: Harmful to fish
Additional ecological information:
General notes:
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms
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

Do not pour into drains or waterways.

Waste:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Soiled packaging:
Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1 UN number

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

14.2 UN proper shipping name

None.

14.3 Transport hazard class(es)

Not required.

14.4 Packing group

Not regulated.

14.5 Environmental hazards

Not required.

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

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>H226 Flammable liquid and vapour.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H228 Flammable solid.</td>
</tr>
<tr>
<td></td>
<td>H302 Harmful if swallowed.</td>
</tr>
<tr>
<td></td>
<td>H304 May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td></td>
<td>H315 Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H317 May cause an allergic skin reaction.</td>
</tr>
<tr>
<td></td>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>H332 Harmful if inhaled.</td>
</tr>
<tr>
<td></td>
<td>H371 May cause damage to organs.</td>
</tr>
<tr>
<td></td>
<td>H400 Very toxic to aquatic life.</td>
</tr>
<tr>
<td></td>
<td>H410 Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

Other Information

None

Revision Date

26/07/16

Reason for revision

Updated and additional supplier information.

Rev No/Repl, SDS Generated

03

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company’s knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy himself as to the suitability of such information for his own particular use.