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

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Basil Oil Sweet Linalool.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>Ocimum Basilicum Oil is the volatile oil obtained from the leaves of the Basil, Ocimum basilicum L., Labiatae. Linalool Type.</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Ocimum Basilicum Oil.</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>Basil Sweet.</td>
</tr>
<tr>
<td>CAS-No</td>
<td>84775-71-3 / 8015-73-4</td>
</tr>
<tr>
<td>EC No.</td>
<td>283-900-8 / -</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>283-900-8 / -</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 displayed in Section 16.

Classification (EC 1272/2008)

- Acute toxicity - Oral Category 4 - (H302).
- Skin corrosion/irritation Category 2 - (H315).
- Serious eye damage/eye irritation Category 2 - (H319).
- Skin sensitization Category 1 - (H317).
- Germ cell mutagenicity Category 2 - (H341).
- Carcinogenicity Category 2 - (H351).
- Chronic aquatic toxicity Category 3 - (H412).

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

<table>
<thead>
<tr>
<th>GHS08</th>
<th>GHS07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Word</td>
<td>Warning.</td>
</tr>
<tr>
<td>Contains</td>
<td>Contains LINALOOL and ESTRAGOLE.</td>
</tr>
<tr>
<td>Hazard Statements</td>
<td>H302 - Harmful if swallowed.</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>
</tbody>
</table>
H319 - Causes serious eye irritation.
H341 - Suspected of causing genetic defects.
H351 - Suspected of causing cancer.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - IF skin irritation or rash occurs: Get medical advice/attention.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P273 - Avoid release to the environment.

Supplementary Precautionary Statements
None.

2.3 Other Hazards
PBT or vPvB according to Annex XIII No additional data available.
Adverse physio-chemical properties Harmful to aquatic life Combustible liquid.
Adverse effects on human health No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

60.0 – 65.0% Linalool CAS-No 78-70-6, EC 201-134-4
Classification (EC 1272/2008); Aquatic Acute 3 (H402), Eye Irrit. 1 (H319), Skin Irrit. 2 (H315), Acute Tox. 5 (H303), Aquatic Acute 3 (H402), Eye Irrit. 1 (H319), Skin Irrit. 2 (H315), Acute Tox. 5 (H303), Flam. Liq. 4 (H227).

25.0 – 35.0% Estragole CAS-No.: 140-67-0 EC No.: 205-427-8
Classification (EC 1272/2008) Skin Sens. 1 (H317), Carc. 2 (H351), Muta. 2 (H341), Skin Irrit. 3 (316), Acute Tox. 4 (H302), Flam. Liq. 4 (H227), Skin Sens. 1 (H317) Carc. 2 (H351), Muta. 2 (H341), Skin Irrit. 3 (H316), Acute Tox. 4 (H302).

<1.0% Methyl Eugenol CAS-No.: 93-15-2, EC No 202-223-0
Classification (EC 1272/2008); Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 2 - H351, Aquatic Chronic 2 - H411.

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.
Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
4.2 Most important symptoms and effects, both acute and delayed

Symptoms: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use CO2, dry chemical, or foam.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the product

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

For emergency responders: Use personal protection recommended in Section 8.

6.2 Environmental Precautions

Collect spillage.

6.3 Methods and material for containment and cleaning up.

Methods for Containment:
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

Methods for cleaning up:
Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Ensure adequate ventilation, especially in confined areas.

General hygiene considerations: Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Risk Management Methods (RMM):
The information required is contained in this Material Safety Data Sheet.
08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Derived No Effect Level (DNEL):</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predicted No Effect Concentration (PNEC):</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Protective Equipment

- **Process Conditions**: Provide eyewash station.
- **Engineering Measures**: Ensure adequate ventilation, especially in confined areas.
- **Respiratory Equipment**: No information available.
- **Hand Protection**: Suitable gloves tested to EN374 (should be checked regularly) - always use with clean, dry hands.
- **Eye Protection**: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
- **Other Protection**: Suitable protective clothing.
- **Hygiene Measures**: Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
- **Personal Protection**: No information available.
- **Skin Protection**: Wear apron or protective clothing in case of splashes.
- **Environmental Exposure Controls**: No information available.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Mobile liquid.</th>
</tr>
</thead>
<tbody>
<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>0.870 - 0.910 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>80°C</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.470 to 1.500 @ 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 information available.

10.2 Chemical stability

- Stable under normal conditions
- Explosion data
- Sensitivity to Mechanical Impact: None.
10.3 Possible hazardous reactions
Possibility of Hazardous Reactions: None under normal processing.

10.4 Conditions to Avoid
Extremes of temperature and direct sunlight.

10.5 Incompatible materials
No additional information available.

10.6 Hazardous Decomposition Products
None under normal use conditions.

11. TOXOLOGICAL INFORMATION
11.1 Information on toxicological effects

Acute Toxicity
Product Information
Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation: No data available.
Eye Contact: No data available.
Skin contact: No data available.
Ingestion: No data available.
The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) - 1,474.00
ATEmix (dermal) - 5,462.00
Unknown acute toxicity
6.5% of the mixture consists of ingredient(s) of unknown toxicity.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50 (mg/kg (Rat))</th>
<th>Dermal LD50 (g/kg (Rabbit))</th>
<th>Inhalation LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASIL OIL METHYL CHAVICOL</td>
<td>1400</td>
<td>&gt; 5</td>
<td>-</td>
</tr>
<tr>
<td>ESTRAGOLE</td>
<td>1230</td>
<td>&gt; 5</td>
<td>-</td>
</tr>
<tr>
<td>LINALOOL</td>
<td>2790</td>
<td>5610</td>
<td>-</td>
</tr>
</tbody>
</table>

Skin corrosion / irritation: No additional data available.
Serious eye damage / irritation: No additional data available.
Respiratory or skin sensitisation: No additional data available.
Germ Cell Mutagenicity: No additional data available.
Carcinogenicity: No additional data available.
Reproductive toxicity: No additional data available.
STOT-single exposure: No additional data available.
STOT-repeated exposure: No additional data available.
Aspiration hazard: No additional data available.
Photo-toxicity: No additional data available.
Other Information: No additional data available.

12. ECOLOGICAL INFORMATION
12.1 Toxicity
82% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINALOOL</td>
<td>88.3: 96 h Desmodesmus subspicatus</td>
<td>22: 46: 96 h Leuciscus idus mg/L</td>
<td>20: 48 h Daphnia magna mg/L</td>
</tr>
</tbody>
</table>
12.2 Persistence & degradability

No additional data available.

12.3 Bioaccumulation Potential

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINALOOL</td>
<td>2.84 - 3.1</td>
</tr>
</tbody>
</table>

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

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products:
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging:
Improper disposal or reuse of this container may be dangerous and illegal.

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

n/a

14.3 Transport hazard class(es)

Not Regulated.

14.4 Packing group

Not Regulated.

14.5 Environmental hazards

Not applicable.

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>H317 - May cause an allergic skin reaction.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H351 - Suspected of causing cancer if inhaled.</td>
</tr>
<tr>
<td></td>
<td>H341 - Suspected of causing genetic defects if inhaled.</td>
</tr>
<tr>
<td></td>
<td>H302 - Harmful if swallowed.</td>
</tr>
<tr>
<td></td>
<td>H227 - Combustible liquid.</td>
</tr>
<tr>
<td></td>
<td>H316 - Causes mild skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H402 - Harmful to aquatic life.</td>
</tr>
<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>H303 - May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

Other Information
None.

Revision Date
05/02/2016

Reason for revision
New SDS.

Rev No/Repl, SDS Generated
01

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.