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

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Hyssop Oil.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>Hyssopus Officinalis Leaf Oil is the volatile oil obtained by steam distillation from the leaves of the Hyssop, Hyssopus officinalis L., Lamiaceae.</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Hyssopus Officinalis Leaf Oil</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>-</td>
</tr>
<tr>
<td>CAS-No</td>
<td>8006-83-5 / 84603-66-7</td>
</tr>
<tr>
<td>EC No.</td>
<td>- / 283-266-2</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>- / 283-266-2</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)

- Flammable liquid, Category 3 (Flam. Liq. 3, H226).
- Skin sensitisation, Category 1 (Skin Sens. 1, H317).
- Aspiration hazard, Category 1 (Asp. Tox. 1, H304).
- Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

- GHS02
- GHS07
- GHS08
- GHS09

Signal Word

Danger.

Contains

PINENES (ALPHA OR BETA)

601-029-00-7 (R)-P-MENTHA-1,8-DIENE

Hazard Statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
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 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P391 Collect spillage.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

PBT or vPvB according to Annex XIII

The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

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

10.0% Pinenes (alpha or beta)  CAS-No.: -  EC No.: -

Classification (EC 1272/2008) GHS09, GHS07, GHS08, GHS02. Dgr, Flam. Liq. 3, H226, Asp. Tox. 1, H304, Skin Sens. 1, H317 Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

10.0% Hydrocarbons  CAS-No.: -  EC No.: -

Classification (EC 1272/2008) GHS08, Dgr Asp. Tox. 1, H304

4.0% (R)-P-MENTHA-1,8-DIENE  CAS-No.: 5989-27-5  EC No.: 227-813-5

Classification (EC 1272/2008) GHS02, GHS07, GHS09, Wng Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317 Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

0.6% EUGENYL METHYL ETHER (METHYL EUGENOL)  CAS-No.: 93-15-2  EC No.: 202-223-0

Classification (EC 1272/2008) GHS07, GHS08, Wng Acute Tox. 4, H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319, STOT SE 3, H335 Carc. 2, H351

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Remove immediately from source of exposure to fresh air. Get medical attention if any discomfort continues.

Ingestion

Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.
If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.
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

Extinguishing media: Flammable. Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.2 Special hazards arising from the product

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In the event of a fire, the following may be formed: carbon monoxide (CO) and carbon dioxide (CO₂).

5.3 Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus. Keep packages near the fire cool, to prevent pressurised containers from bursting. Prevent the effluent of fire-fighting measures from entering drains or waterways.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker: Avoid any contact with the skin and eyes.

For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Use drums to dispose of collected waste in compliance with current regulations (see section 13).

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 using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations. Clean preferably with detergent. Do not use solvents.

6.4 Reference to other sections

See sections 7, 8, 13.
## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Requirements relating to storage premises apply to all facilities where the substance is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Remove contaminated clothing and protective equipment before entering eating areas.

**Fire prevention:**
Handle in well-ventilated areas. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Never inhale this substance. Prevent the accumulation of electrostatic charges with connections to earth. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**
For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures:**
No smoking, eating or drinking in areas where the substance is used. Never open the packages under pressure.

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

**Storage**
Keep the container tightly closed in a dry, well-ventilated place. Keep away from food and drink, including those for animals. Keep away from all sources of ignition - do not smoke. Keep well away from all sources of ignition, heat and direct sunlight. Avoid accumulation of electrostatic charges.

**Packaging**
Always keep in packaging made of an identical material to the original.

### 7.3 Specific end use(s)

No additional data available.

## 08. 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>Provide eyewash station.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Measures</td>
<td>Provide adequate ventilation.</td>
</tr>
<tr>
<td>Respiratory Equipment</td>
<td>Do not inhale gases / fumes / aerosols. Certified respiratory protective device recommended. NIOSH or European Standard EN 149 approved respirator.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties: Impervious gloves in accordance with standard EN374</td>
</tr>
<tr>
<td><strong>Eye Protection</strong></td>
<td>Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Other Protection</strong></td>
<td>Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.</td>
</tr>
<tr>
<td><strong>Hygiene Measures</strong></td>
<td>Good personal hygiene practices are always advisable, especially when working with chemicals/oils.</td>
</tr>
<tr>
<td><strong>Personal Protection</strong></td>
<td>Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.</td>
</tr>
<tr>
<td><strong>Skin Protection</strong></td>
<td>Avoid contact with skin. Wear apron or protective clothing.</td>
</tr>
<tr>
<td><strong>Environmental Exposure Controls</strong></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>Mobile clear oily liquid, pale yellow to brown yellow.</td>
</tr>
<tr>
<td>Colour</td>
<td>Pale yellow to brown yellow.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic.</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.905 - 0.960 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>56.0 - 59.0</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.473 - 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

Stable under the recommended handling and storage conditions.

#### 10.2 Chemical stability

Stable under the recommended handling and storage conditions.

#### 10.3 Possible hazardous reactions

Flammable liquid.

#### 10.4 Conditions to Avoid

Avoid any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises. Avoid:
- accumulation of electrostatic charges.
- heating.
- heat.
- flames and hot surfaces.

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

The thermal decomposition may release/form: carbon monoxide (CO) and carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th></th>
<th></th>
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</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>May cause an allergic reaction by skin contact. May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Monograph(s) from the IARC (International Agency for Research on Cancer): CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.</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>May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.</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

H411 Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

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

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC.
Do not pour into drains or waterways.
Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Soiled packaging:
Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

<table>
<thead>
<tr>
<th>UN No. Road</th>
<th>UN 1169</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. SEA</td>
<td>UN 1169</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>UN 1169</td>
</tr>
</tbody>
</table>

14.2 UN proper shipping name

UN 1169 EXTRACTS, AROMATIC, LIQUID

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3: Flammable Liquid
IMDG Class: 3
ICAO Class/Division: 3

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

<p>| | | | | | | | | | | |</p>
<table>
<thead>
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</thead>
<tbody>
<tr>
<td>ADR/RID</td>
<td>Class</td>
<td>Code</td>
<td>Pack gr.</td>
<td>Label</td>
<td>Ident.</td>
<td>LQ</td>
<td>Provis.</td>
<td>EQ</td>
<td>Cat.</td>
<td>Tunnel</td>
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<tr>
<td>IMDG</td>
<td>Class</td>
<td>2°Label Pack gr.</td>
<td>LQ</td>
<td>EMS</td>
<td>Provis.</td>
<td>EQ</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>-</td>
<td>III</td>
<td>5 L</td>
<td>F-E,S-D</td>
<td>223 955</td>
<td>E1</td>
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<tr>
<td>IATA</td>
<td>Class</td>
<td>2°Label Pack gr. Passager</td>
<td>Passager</td>
<td>Cargo</td>
<td>Cargo note</td>
<td>EQ</td>
<td></td>
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<tr>
<td>3</td>
<td>-</td>
<td>III</td>
<td>355</td>
<td>60 L</td>
<td>366</td>
<td>220 L</td>
<td>A3</td>
<td>E1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>-</td>
<td>III</td>
<td>Y344</td>
<td>10 L</td>
<td>-</td>
<td>-</td>
<td>A3</td>
<td>E1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.
For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

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

Hazard and/or Precautionary Statements in Full

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Other Information

None.

Revision Date

27/06/2016

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.