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

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Litsea Cubeba Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>Litsea Cubeba Fruit Oil is the volatile oil obtained from the berries of the Litsea cubeba, Lauraceae</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Litsea Cubeba Fruit Oil</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>Litsea Cubeba ext.</td>
</tr>
<tr>
<td>EC No.</td>
<td>290-018-7</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>290-018-7</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.

1.4 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.

Human health
May cause allergic skin reaction and fatal if swallowed May cause serious eye damage

Environment
The product contains a substance which may cause long term adverse effects in the aquatic environment.

Hydrocarbon Content 19%

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified.
Human health: Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Asp. Tox. 1 - H304
Environment: Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

<table>
<thead>
<tr>
<th>GHS08</th>
<th>GHS07</th>
<th>GHS09</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Signal Word
Danger

Contains
Citral, Citronellal, Geraniol, Limonene, Pinenes

Hazard Statements

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P262 Do not get in eyes, on skin, or on clothing.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.

Supplementary 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.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P313 Get medical advice/attention.
P321 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.
P337 If eye irritation persists:
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/container to ...

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

1-5% Beta Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1

Classification (EC 1272/2008) Asp. Tox. 1 - H304

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

Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

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

Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 2 - H411

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

Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

1-5% Geraniol CAS-No.: 106-24-1 EC No.: 203-377-1
04. FIRST AID MEASURES

4.1 Description of first aid measures

**Inhalation**
Move the exposed person to fresh air at once. Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Seek medical attention.

**Ingestion**
Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Harmful if swallowed.

**Skin Contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Seek medical attention if irritation or symptoms persist.

**Eye Contact**
Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. If symptoms persist seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- **Inhalation**: May irritate respiratory tract.
- **Ingestion**: May be harmful if swallowed.
- **Skin contact**: There may be irritation and redness of the site of contact.
- **Eye contact**: May irritate eyes

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: Use as appropriate: Foam, dry powder, water jet spray.

Unsuitable extinguishing media: Full water jet.

5.2 Special hazards arising from the product

Burning can produce irritating, toxic and noxious fumes.

5.3 Advice for firefighters

Special Fire Fighting Procedures
Keep away from sources of heat, sparks and flames. Cool endangered drums with water.
06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up.

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled container for disposal. Clean spillage area thoroughly with plenty of water.

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

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame. DO NOT SMOKE IN WORK AREA! Storage Class : Chemical storage.

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>Self-contained breathing apparatus.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Chemical resistant gloves (PVC)</td>
</tr>
<tr>
<td>Eye Protection</td>
<td>Wear approved safety goggles.</td>
</tr>
<tr>
<td>Other Protection</td>
<td>Wear appropriate clothing to prevent any possibility of skin contact.</td>
</tr>
<tr>
<td>Hygiene Measures</td>
<td>Good personal hygiene practices are always advisable, especially when working with chemicals / oils.</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap &amp; water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>Wear apron or protective clothing in case of splashes.</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 Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Lemon like, fresh sweet odour</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.882 - 0.905 @ 25°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>65 - 70°C (Closed cup)</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.475 - 1.490 @ 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 the recommended handling and storage conditions.

10.3 Possible hazardous reactions

No additional data available

10.4 Conditions to Avoid

Heat, sparks and open flames.

10.5 Incompatible materials


10.6 Hazardous Decomposition Products

None under normal conditions.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Property</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>May cause sensitisation by skin contact.</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>Spray and vapour in the eyes may cause irritation and smarting.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>In high concentrations, vapours may irritate throat and respiratory system and cause coughing.</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>Table</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>STOT-repeated exposure</td>
</tr>
<tr>
<td></td>
<td>Aspiration hazard</td>
</tr>
<tr>
<td></td>
<td>Photo-toxicity</td>
</tr>
<tr>
<td></td>
<td>Other Information</td>
</tr>
</tbody>
</table>

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Dangerous for the environment: May cause long-term adverse effects in the aquatic 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**

No additional data available.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

General information
Do not allow to enter drains, sewers or watercourses.

Dispose of waste and residues in accordance with local authority requirements.

**14. TRANSPORT INFORMATION**

**14.1 UN number**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. Road</td>
<td>3082</td>
</tr>
<tr>
<td>UN No. SEA</td>
<td>3082</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>3082</td>
</tr>
</tbody>
</table>

**14.2 UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

**14.3 Transport hazard class(es)**

ADR/RID/ADN Class 9
ADR/RID/ADN Class 9: Miscellaneous dangerous substances and articles.
ADR Label No. 9
IMDG Class 9
ICAO Class/Division 9

**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

EMS F-A-S-F
Emergency Action Code 3Z
Hazard No. (ADR) 9
Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.
Tunnel Restriction Code (E)

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 | H318 Causes serious eye damage. |
| H319 Causes serious eye irritation. |
| H315 Causes skin irritation. |
| 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. |
| H401 Toxic to aquatic life. |
| H410 Very toxic to aquatic life with long lasting effects. |
| H400 Very toxic to aquatic life. |

Other Information
None

Revision Date
17/06/15

Reason for revision
New SDS

Rev No/Repl, SDS Generated
01
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