1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Eucalyptus Globulus 80 / 85% Essential Oil
Botanical name : Eucalyptus globulus
FEMA : 2466
INCI name : Eucalyptus globulus leaf oil
CAS # : 8000-48-4
Country of Origin : China
EINECS # : 283-406-2
Product use : Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

WHMIS Classification
B3 Combustible Liquid.
D2B Toxic Material Causing Moderate skin irritant
. Other Toxic Effects Skin sensitizer

GHS Classification
Flammable Liquid, Category 3.
Acute Toxicity oral - Category 5.
Skin Sensitization - Category 1
Skin irritation - Category 2
Aspiration Hazard - Category 1
Hazardous to the aquatic environment - Acute Hazard - Category 2
Hazardous to the aquatic environment - Chronic Hazard - Category 2

GHS Label elements, including precautionary statements

Signal : Danger

Hazard statement(s)
H226 Flammable liquid and vapor
H303 May be harmful if swallowed.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

Precautionary statement(s)
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do not induce vomiting.

HMIS Classification & Potential Health Effects

HMIS Ratings
Health : 2, Flammability : 2, Physical Hazard : 0, Personal protection : B

Inhalation
May be harmful if inhaled. Causes respiratory tract irritation

Skin
May be harmful if absorbed through skin. Causes skin irritation.

Ingestion
Maybe harmful if swallowed

3. COMPOSITION / INFORMATION INGREDIENTS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>CAS NO</th>
<th>EC NO</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene</td>
<td>138-86-3</td>
<td>205-341-0</td>
<td>0.05 - 15.0%</td>
</tr>
<tr>
<td>Camphor</td>
<td>464-49-3</td>
<td>207-355-2</td>
<td>Less than 0.1%</td>
</tr>
<tr>
<td>Alpha-pinene</td>
<td></td>
<td></td>
<td>0.05 - 10.0%</td>
</tr>
<tr>
<td>Beta-pinene</td>
<td></td>
<td></td>
<td>0.05 - 1.5%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye contact
Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if
irritation occurs.

**Skin contact**
Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

**Inhalation**
If inhaled, removed to fresh air. Get medical attention if symptoms appear.

**Ingestion**
Seek medical attention or contact local poison control center.

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### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**
- Foam
- Dry Powder
- Carbon dioxide

**Unsuitable extinguishing media**
- Water spray
- Water jet

**Special protective equipment and precautions for fire-fighters**
Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

**Special hazards arising from the substance or its combustible products**
Hazardous decomposition products may be formed at extreme heat or if burned.

**Resulting gases**
- Carbon oxides

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures.**
Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

**Environmental precautions**
Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and materials for containment and cleaning up**
Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

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### 7. HANDLING AND STORAGE

**Precautions for safe handling**
No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

**Conditions for safe storage, including any incompatibilities**
Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes
Use tightly sealed goggles.

Skin
If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory
In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Colorless to pale yellow liquid.

Odor : Pungent, cineol odor.

Flash point : 52 °C

Relative density : 0.905 - 0.927 @ 20°C.

Solubility (ies) : Soluble in 5 volumes of 70% ethyl alcohol.

Refractive index : 1.4580 - 1.4650 @ 20°C.

Optical rotation : 0° to +10°

10. STABILITY AND REACTIVITY

Reactivity
This material presents no significant reactivity hazard.

Chemical stability
Chemically stable.

Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to avoid
Avoid sparks, flame and other heat sources.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
LD50 Dermal - Rabbit - > 5,000 mg/kg
Inhalation
Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact
Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact
Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Avoid any pollution of ground, surface or underground water.

Persistence and degradability
Not available.

Bio-accumulative potential
Not available.

Mobility in soil
Not available.

Other adverse effects
Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number
1993

UN proper shipping name
Flammable liquid, n.o.s. (Alpha-pinene)

Transport hazard class
3

Packing group
III

US DOT Shipping Description (Land)
1993
Proper shipping name
Flammable liquid, n.o.s. (Alpha-pinene)

Class
3

Packaging group
III

IMO-IMDG Shipping Description (Sea)
1993

Proper shipping name
Flammable liquid, n.o.s. (Alpha-pinene)

Class
3

Packaging group
III

IATA Shipping Description (Air)
1993

Proper shipping name
Flammable liquid, n.o.s. (Alpha-pinene)

Class
3

Packaging group
III

15. REGULATORY INFORMATION

WHMIS Classification
B3, D2B

GHS Hazard Statements
See section 2.

GHS Precautionary Statements
See section 2.

16. OTHER INFORMATION

Revision date : December 11, 2015