1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Cajeput Essential Oil
Botanical name : Melaleuca cajeputi
Synonyms : Melaleuca leucadendron cajeputi, Melaleuca cajuputi
INCI name : Melaleuca Leucadendron Cajeputi Leaf Oil
CAS # : 85480-37-1/8008-98-8
Country of Origin : Vietnam
EINECS # : 287-316-4
Product use : Domestic and Industrial
Supplier : New Directions Aromatics Inc.
Address : 6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax : 905-362-1926
Telephone number : 905-362-1915
Emergency phone number : (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification
Flammable liquid - Category 3
Aspiration hazard - Category 1
Skin corrosion/irritation - Category 2
Skin sensitization - Category 1
Serious eye damage/eye irritation - Category 2
Hazardous to the aquatic environment - Chronic - Category 2

GHS Label elements, including precautionary statements

Signal: Danger

Hazard statement(s)
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P210 Keep away from heat / sparks / open flames / hot surfaces – no smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment (see Section 4 of the Safety Data Sheet).
P331 Do NOT induce vomiting.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists get medical advice/attention.
P370+P378 In case of fire: Use foam/dry powder to extinguish.
P403+P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation for hazardous wastes.

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>1,8-Cineol</td>
<td>470-82-6</td>
<td>207-431-5</td>
<td>52 - 65 %</td>
</tr>
<tr>
<td>alpha-Terpineol</td>
<td>98-55-5</td>
<td>202-680-6</td>
<td>9 - 16 %</td>
</tr>
<tr>
<td>L-Limonene</td>
<td>5989-54-8</td>
<td>227-815-6</td>
<td>2 - 7 %</td>
</tr>
<tr>
<td>Linalool</td>
<td>78-70-6</td>
<td>201-134-4</td>
<td>2 - 4.5 %</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.

5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**

**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.

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.

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

**Exposure controls**
An eyewash fountain and/or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require additional precautions.

**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.

**Ingestion**

Not for ingestion.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless to pale yellow clear liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Camphorous with a minty type odor.</td>
</tr>
<tr>
<td>Flash point</td>
<td>54.5 to 54.6 °C @ 101.1 to 101.325 kPa</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>5.6 to 253 Pa @ 24 to 25 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.868 to 0.930 @ 20 °C</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Soluble in alcohol and oils. Insoluble in water.</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.464 to 1.482 @ 20 °C</td>
</tr>
<tr>
<td>Optical rotation</td>
<td>-4° to +2° @ 20 °C</td>
</tr>
</tbody>
</table>

### 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**

Not available.

**Carcinogenicity**

None of the components of this material are listed as a carcinogen.

**Chronic toxicity**

May cause allergic reactions on skin.
Reproductive toxicity
No adverse effects on reproduction are known.

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.

Ingestion
Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

Repeated exposure
Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

12. ECOLOGICAL INFORMATION

Ecotoxicity
Short Term: LC50 (4 days): 280 to 60,930 µg/L (Fish)
Short Term: EC50 (48 hours): 307 to 100,000 µg/L (Invertebrates)
EC50 (4 days):74 mg/L (Algae and Cyanobacteria)
EC50 (48 hours): 494 µg/L (Algae and Cyanobacteria)

Persistence and degradability
Readily biodegradable.

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
1169

UN proper shipping name
Extracts, aromatic, liquid

Transport hazard class
3

Packing group
III

US DOT Shipping Description (Land)
1169

Proper shipping name
Extracts, aromatic, liquid

Class
3

Packaging group
III

IMO-IMDG Shipping Description (Sea)
1169

Proper shipping name
Extracts, aromatic, liquid

Class
3

Packaging group
III

IMDG-Marine pollution
Yes.

IATA Shipping Description (Air)
1169

Proper shipping name
Extracts, aromatic, liquid

Class
3

Packaging group
III

15. REGULATORY INFORMATION

GHS Hazard Statements
See section 2.

GHS Precautionary Statements
See section 2.

16. OTHER INFORMATION

Revision date : August 31, 2018

Disclaimer & Caution
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