1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Litsea Cubeba Essential Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical name</td>
<td>Litsea cubeba</td>
</tr>
<tr>
<td>INCI name</td>
<td>Litsea Cubeba Fruit Oil</td>
</tr>
<tr>
<td>CAS #</td>
<td>68855-99-2</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>China</td>
</tr>
<tr>
<td>Product use</td>
<td>Domestic and Industrial</td>
</tr>
<tr>
<td>Supplier</td>
<td>New Directions Aromatics Inc.</td>
</tr>
<tr>
<td>Address</td>
<td>6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9</td>
</tr>
<tr>
<td>Fax</td>
<td>905-362-1926</td>
</tr>
<tr>
<td>Telephone number</td>
<td>905-362-1915</td>
</tr>
<tr>
<td>Emergency phone number</td>
<td>(613)-996-6666 CANUTEC 24 HOUR EMERGENCY</td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification
- Flammable Liquids - Category 3
- Aspiration hazard - Category1
- Acute Toxicity - dermal - Category 5
- Eye irritation - Category 2
- Hazardous to aquatic environment - Acute - Category 2
- Hazardous to aquatic environment - Chronic - Category 2

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)
H227  Combustible liquid.
H304  May be fatal if swallowed and enters airways.
H313  May be harmful in contact with skin.
H315  Causes skin irritation.
H317  May cause an allergic skin reaction.
H319  Causes serious eye irritation.
H401  Toxic to aquatic life.
H411  Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P210  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P302+P352  IF ON SKIN: Wash with plenty of water/
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P312  Call a POISON CENTER/ doctor/if you feel unwell.
P333+P313  If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313  If eye irritation persists get medical advice/attention.
P362  Take off contaminated clothing.
P363  Wash contaminated clothing before reuse.
P370+P378  In case of fire: Use appropriate fire extinguisher to extinguish.
P391  Collect spillage.
P403+P235  Store in a well ventilated place. Keep cool.
P501  Dispose of contents/container according to local regulations.

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>Litsea Cubeba Oil</td>
<td>68855-99-2</td>
<td>-</td>
<td>100 %</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Eye contact**
Check for and remove any contact lenses. 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

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>Pale yellow to yellow liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic lemony, citral odor.</td>
</tr>
<tr>
<td>Initial b.p and boiling range</td>
<td>232 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>54.44 °C (closed up)</td>
</tr>
</tbody>
</table>
Relative density : 0.880 to 0.905 @ 25 °C
Solubility (ies) : Soluble in (1:3) mL 90% alcohol @ 25 °C
Refractive index : 1.480 to 1.490 @ 20°C
Optical rotation : +3° to +12° @ 20°C

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.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
LD50 - oral (rat): 7200mg/kg (Pharmazie (1959) 14, 435)
LD50 - dermal (rabbit): 4700mg/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
Toxic to aquatic organisms, may cause long-term adverse effects environment. 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. (Litsea Cubeba Oil)

Transport hazard class
3

Packing group
III

US DOT Shipping Description (Land)
1993

Proper shipping name
Flammable liquid, N.O.S. (Litsea Cubeba Oil)

Class
3

Packaging group
III

IMO-IMDG Shipping Description (Sea)
1993

Proper shipping name
Flammable liquid, N.O.S. (Litsea Cubeba Oil)

Class
3

Packaging group
III

IATA Shipping Description (Air)
1993

Proper shipping name
Flammable liquid, N.O.S. (Litsea Cubeba Oil)

Class
3

Packaging group
III

Emergency action in case of accident
Notify police and fire department immediately

15. REGULATORY INFORMATION

California Proposition 65
Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (as stated in Proposition 65 revised list: MYRCENE.

GHS Hazard Statements
Please refer to section 2.

GHS Precautionary Statements
16. OTHER INFORMATION

Revision date : July 16, 2018

Disclaimer & Caution

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