1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Patchouli Essential Oil – Dark</td>
</tr>
<tr>
<td>Botanical name</td>
<td>Pogostemon cablin BENTH</td>
</tr>
<tr>
<td>INCI name</td>
<td>Pogostemon Cablin Leaf Oil</td>
</tr>
<tr>
<td>CAS #</td>
<td>8014-09-3 / 84238-39-1</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>Indonesia</td>
</tr>
<tr>
<td>EINECS #</td>
<td>- / 282-493-4</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

- Aspiration hazard - Category 1
- Skin corrosion/irritation - Category 3
- Hazardous to the aquatic environment - Acute Category 2.
- Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements

Signal: Danger

Hazard statement(s)

- H304: May be fatal if swallowed and enters airways
- H316: Causes mild skin irritation
- H401: Toxic to aquatic life
- H411: Toxic to aquatic life with long-lasting effects

Precautionary statement(s)

- P273: Avoid release to the environment.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331: Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.

Collect spillage.

Store locked up.

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>Pogostemon Cabin Leaf Oil</td>
<td>8014-09-3 / 84238-39-1</td>
<td>282-493-4</td>
<td>100 %</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**

**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.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light Yellow to Dark Brown liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic woody earthy, camphorated medicinal odor.</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;125 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.950 - 0.975 @ 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>1.5070 - 1.5150 @ 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

**Inhalation**
May be harmful if inhaled. May cause respiratory tract irritation

**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**
May be harmful if swallowed.

**Single exposure**
CONTAIN BETA-PINENE. MAY PRODUCE AN ALLERGIC REACTION,
12. ECOLOGICAL INFORMATION

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

Persistence and degradability
Not available.

Bio-accululative 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
3082

UN proper shipping name
Environmentally hazardous substance, liquid, N.O.S (Patchouli Oil)

Transport hazard class
9

Packing group
III

US DOT Shipping Description (Land)
3082

Proper shipping name
Environmentally hazardous substance, liquid, N.O.S (Patchouli Oil)

Class
9

Packaging group
III

IMO-IMDG Shipping Description (Sea)
3082

Proper shipping name
Environmentally hazardous substance, liquid, N.O.S (Patchouli Oil)

Class
9

Packaging group
III

IMDG-Marine pollution
Yes.
IATA Shipping Description (Air)
3082

Proper shipping name
Environmentally hazardous substance, liquid, N.O.S (Patchouli Oil)

Class
9

Packaging group
III

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

15. REGULATORY INFORMATION

California Proposition 65
No components of this product is listed under California Proposition 65 list.

GHS Hazard Statements
Please refer to Section 2.

GHS Precautionary Statements
Please refer to Section 2.

16. OTHER INFORMATION

Revision date : August 31, 2018

Disclaimer & Caution
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