1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Neroli (Egypt) Essential Oil</td>
</tr>
<tr>
<td>Botanical name</td>
<td>Citrus aurantium L.</td>
</tr>
<tr>
<td>INCI name</td>
<td>Citrus Aurantium Flower Oil</td>
</tr>
<tr>
<td>CAS #</td>
<td>8016-38-4</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>China</td>
</tr>
<tr>
<td>EINECS #</td>
<td>277-143-2</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**

- Acute Toxicity oral - Category 1
- Skin corrosion/irritation - Category 2
- Skin sensitisation - Category 1
- Hazardous to the aquatic life - Chronic - Category 2

**GHS Label elements, including precautionary statements**

- Signal: Danger

**Hazard statement(s)**

- H304: May be harmful if swallowed and enters the airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H411: Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

- P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P264: Wash ... thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/

IF ON SKIN: Wash with plenty of water/

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Specific treatment (see section 4 on this label).

If skin irritation or a rash occurs: Get medical advice/attention.

Collect spillage.

Store locked up.

Dispose of contents and 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>Limonene</td>
<td>138-86-3</td>
<td>205-341-0</td>
<td>12 %</td>
</tr>
<tr>
<td>Linalool</td>
<td>78-70-6</td>
<td>201-134-4</td>
<td>45 %</td>
</tr>
<tr>
<td>Linalyl Acetate</td>
<td>115-95-7</td>
<td>204-116-4</td>
<td>26 %</td>
</tr>
<tr>
<td>Geranyl Acetate</td>
<td>105-87-3</td>
<td>203-341-5</td>
<td>4.0 %</td>
</tr>
<tr>
<td>Alpha-Terpineol</td>
<td>98-55-5</td>
<td>202-680-6</td>
<td>3.0 %</td>
</tr>
<tr>
<td>Nerolidol</td>
<td>142-50-7</td>
<td>205-540-2</td>
<td>3.0 %</td>
</tr>
<tr>
<td>Farnesol</td>
<td>4602-84-0</td>
<td>225-004-1</td>
<td>3.0 %</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
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>Pale yellow to amber clear liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic floral, citrus, fresh.</td>
</tr>
<tr>
<td>Flash point</td>
<td>68 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.864 to 0.881 @ 20°C</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Soluble in ethyl alcohol. Insoluble in water.</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.460 to 1.480 @ 20°C</td>
</tr>
<tr>
<td>Optical rotation</td>
<td>+1.0° to +14° @ 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 acids, strong alkalis and oxidizing agents.

**Hazardous decomposition products**
Carbon Oxides.

### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**
LD50 - (rat) 4550.00 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**
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**
3082

**UN proper shipping name**
Environmentally hazardous substance, liquid, n.o.s. (Neroli Oil)

**Transport hazard class**
9

**Packing group**
III

**US DOT Shipping Description (Land)**
3082
**Proper shipping name**
Environmentally hazardous substance, liquid, n.o.s. (Neroli Oil)

**Class**
9

**Packaging group**
III

**IMO-IMDG Shipping Description (Sea)**
3082

**Proper shipping name**
Environmentally hazardous substance, liquid, n.o.s. (Neroli Oil)

**Class**
9

**Packaging group**
III

**IATA Shipping Description (Air)**
3082

**Proper shipping name**
Environmentally hazardous substance, liquid, n.o.s. (Neroli Oil)

**Class**
9

**Packaging group**
III

15. **REGULATORY INFORMATION**

**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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