1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Neroli (Egypt) Essential Oil
Botanical name : Citrus aurantium L.
INCI name : Citrus Aurantium Flower Oil
CAS # : 8016-38-4 / 72968-50-4
Country of Origin : Egypt
EINECS # : 277-143-2
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 liquids - Category 4
Acute Toxicity oral - Category 1
Skin corrosion/irritation - Category 2
Skin sensitisation - Category 1
Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements

Signal: Danger

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

Precautionary statement(s)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing dust/fumes/gas/mist/vapours/spray.

Wash skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

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

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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.

In case of fire: Use appropriate fire extinguisher to extinguish.

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>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**
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>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
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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