1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Ajowan Essential Oil
Botanical name: Trachyspermum copticum
Synonyms: Trachyspermum ammi, Carum copticum, Carum ajowan Benth
INCI name: Carum Copticum Fruit Extract
CAS #: 8001-99-8
Country of Origin: India
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
Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P273 Avoid release to the environment.
P391 Collect spillage.
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>Thymol</td>
<td>89-83-8</td>
<td>201-944-8</td>
<td>20 - 60%</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**
Do NOT induce vomiting unless to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**
Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature. Use water spray or fog in case of huge fire.

**Special protective equipment and precautions for fire-fighters**
Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.

**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**
Keep away from drains, surface and ground water. Report spills to appropriate authorities as required.

**Methods and materials for containment and cleaning up**
Small spills should be absorbed with an inert material and put the spilled material in an appropriate waste disposal. 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**
Keep away from heat. Keep away from sources of ignition. Do not breath gas, fumes, vapour or spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**
Store in tightly closed HDPE or Aluminum containers in a cool dry place protected from light. 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**
These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions. An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

**Eyes**
As a precaution, wear safety glasses or goggles. An eyewash and safety shower should be readily available.

**Skin**
Wear standard industrial type rubber gloves. A rubber apron is recommended when handling large quantities of this material.

**Respiratory**

Avoid breathing directly on the product. Apply local ventilation when appropriate. 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 brownish yellow liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic odor.</td>
</tr>
<tr>
<td>Flash point</td>
<td>57 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.880 to 0.950 @ 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>1.4830 to 1.5150 @ 20 °C</td>
</tr>
<tr>
<td>Optical rotation</td>
<td>-1.0° to +5.0°</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Chemical stability**

Chemically stable. This material presents no significant reactivity hazard.

**Conditions to avoid**

Avoid sparks, flame and other heat sources.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon Oxides.

### 11. TOXICOLOGICAL INFORMATION

**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**

May irritate eyes.

**Ingestion**

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

### 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**
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

IATA Shipping Description (Air)
1169
Proper shipping name
Extracts, aromatic, liquid
Class
3
Packaging group
III

15. REGULATORY INFORMATION
California Proposition 65
This product contains chemical(s) listed per the Safe Drinking Water and Enforcement Act of 1986. Contains β-Myrcene.

**GHS Hazard Statements**
Please refer to section 2.

**GHS Precautionary Statements**
Please refer to section 2.

### 16. OTHER INFORMATION

| Revision date | June 14, 2018 |

**Disclaimer & Caution**

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