1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Abyssinian Carrier Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical name</td>
<td>Crambe abyssinica</td>
</tr>
<tr>
<td>INCI name</td>
<td>Crambe Abyssinica seed Oil</td>
</tr>
<tr>
<td>CAS #</td>
<td>68956-68-3</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>Canada</td>
</tr>
<tr>
<td>EINECS #</td>
<td>273-313-5</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

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

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>Crambe Abyssinica Seed Oil</td>
<td>-</td>
<td>273-313-5</td>
<td>100 %</td>
</tr>
</tbody>
</table>

NOTE: The product does not belong to any list of substances supposedly hazardous to human or animal health and is not classified as dangerous according to the Directive 88/379EEC or its amendments.

4. FIRST AID MEASURES

Eye contact

Eyes should be flushed with plenty of water for at least twenty minutes holding the eye open. Get medical attention if irritation persists.

Skin contact

Oil can be removed from skin by washing with soap and water. Hot oil could result in burns to the contact
part. In the event, follow standard first aid procedures for treating burns. If irritation occurs, get medical attention.

**Inhalation**

If inhaled: move to fresh air and breathe normally in a comfortable position. If breathing is difficult give oxygen. Get medical attention if symptoms appear.

**Ingestion**

Do not induce vomiting. Consult medical personnel 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**

**Resulting gases**

Hazardous combustion products; produces carbon dioxide, carbon monoxide, and smoke.

---

**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**

Try to prevent material from entering drain or water courses as there may be short term pollution. 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**

Store in a cool (17-22 °C), dry location, in a sealed container. Exposure of material to air, heat, or water may cause deterioration in quality.

---

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure controls**

Whenever possible material should be handled in a well-ventilated area e.g. dilution and local exhaust ventilation.

**Eyes**

Use tightly sealed goggles, or face shield.

**Skin**

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use PVC gloves.
Respiratory
Use self-contained respiratory equipment in closed systems.

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 transparent liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Slightly sweet, almost odorless.</td>
</tr>
<tr>
<td>Flash point</td>
<td>204.4 °C ; 400 °F</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.900 to 0.920</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.456 to 1.475 @ 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, high temperatures and other heat sources.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

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.

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
Not regulated.

**US DOT Shipping Description (Land)**
Not regulated.

**IMO-IMDG Shipping Description (Sea)**
Not regulated.

**IATA Shipping Description (Air)**
Not regulated.

### 15. REGULATORY INFORMATION

**GHS Hazard Statements**
Not available.

**GHS Precautionary Statements**
Not available

### 16. OTHER INFORMATION

Revision date : August 2, 2018

**Disclaimer & Caution**

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario.