1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Chili Seed Essential Oil  
Botanical name: Capsicum annum L.  
Synonyms: Capsicum baccatum, Capsicum frutescens  
INCI name: Capsicum annum (Chili) Seed Oil  
CAS #: 404-86-4  
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

WHMIS Classification  
N/A

GHS Label elements, including precautionary statements

Signal: Warning

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>Capsaicin</td>
<td></td>
<td></td>
<td>0.1 – 5 %</td>
</tr>
<tr>
<td>Capsaicinoids</td>
<td></td>
<td></td>
<td>0.1 – 0.5 %</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

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

Exposure controls
These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

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.

Ingestion
Not for ingestion.

Control parameters
An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

Exposure limit values
Not available

Biological limit values
Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance : Reddish brown, slightly viscous liquid.
Odor : Characteristic chilli seed odor.
Flash point : 101 °C
Relative density : 0.895 – 0.935 (grams/ml)
Solubility (ies) : Soluble in alcohol and oils. Insoluble in water.
Optical rotation : Not available.

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

Acute toxicity
Not available.

Carcinogenicity
None of the components of this material are listed as a carcinogen.

Chronic toxicity
May cause allergic reactions on skin.

Reproductive toxicity
No adverse effects on reproduction are known.

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.

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

Repeated exposure
Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

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

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

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

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

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

15. REGULATORY INFORMATION

**WHMIS Classification**
UN 1169 - 3 (III - Aromatic)

**California Proposition 65**
This product does not contain chemical listed per the Safe Drinking Water and Enforcement Act of 1986.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Revision date</th>
<th>September 16, 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot #</td>
<td>11196-A08</td>
</tr>
</tbody>
</table>

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.