1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Grapefruit Seed Extract
INCI name: Citrus Grandis Seed Extract (and) Glycerin
CAS #: 90045-43-5 / 8016-20-4 (and) 56-81-5
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
Not classified as dangerous goods.

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>Citrus Grandis Seed Extract (and) Glycerin</td>
<td>90045-43-5 / 8016-20-4 (and) 56-81-5</td>
<td>289-904-6 / - (and) 200-289-5</td>
<td>100 %</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
5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**
Water spray, water jet, foam, dry powder, carbon dioxide.

**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.

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.

**Ingestion**
Not for ingestion.

**Exposure limit values**
OSHA (PEL): 15 mg/m³ Total Dust
OSHA (PEL): 5 mg/m³ Respirable fraction

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous lemon yellow to golden brown liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild odor.</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
This material presents no significant reactivity hazard.

Chemical stability
Hygroscopic, otherwise stable under normal conditions.

Possibility of hazardous reactions
Polymerization above 149 °C

Conditions to avoid
Avoid sparks, flame and other heat sources.

Incompatible materials
Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Oral LD50: 5,000 mg/kg (white rat).
Inhalation LC50: greater than 250 mg m³ (rabbits and guinea pigs).

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

Reproductive toxicity
No adverse effects on reproduction are known.

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
Easily biodegradable

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

**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 : July 3, 2018

Disclaimer & Caution

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