1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Glyceryl Stearate SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCI name</td>
<td>Glyceryl Stearate SE</td>
</tr>
<tr>
<td>CAS #</td>
<td>11099-07-3</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>USA</td>
</tr>
<tr>
<td>EINECS #</td>
<td>234-325-6</td>
</tr>
<tr>
<td>Product use</td>
<td>Domestic and Industrial</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 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>Glyceryl Stearate SE</td>
<td>11099-07-3</td>
<td>-</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**

**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.

**Exposure limit values**
1,2,3-Propanetriol:
TWA: 10 (mg/m3) from ACGIH (TLV)[US]
TWA: 15 (mg/m3) from OSHA (PEL)[US]

Octadecanoic acid, ester with, potassium salt
TWA: 10 (mg/m3) from ACGIH (TLV)[US]
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White to off white flakes.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild fatty odor.</td>
</tr>
<tr>
<td>pH</td>
<td>8.5 (3% water)</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>55 - 62°C</td>
</tr>
<tr>
<td>Initial b.p and boiling range</td>
<td>&gt; 250°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>273°C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.85 - 0.86</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Insoluble in cold and hot water. Soluble in diethyl ether.</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 oxidizing agents.

**Hazardous decomposition products**
Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

**Acute toxicity**
Oral (LD50) > 10 g/kg [Rat]

**Skin contact**
Adverse skin effects should be prevented by normal care and personal hygiene.

**Eye contact**
Slightly hazardous in case of skin contact (irritant).
Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

**Ecotoxicity**
Avoid any pollution of ground, surface or underground water.

**Persistence and degradability**
Possible hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Bio - accumulative potential**
Not available.

**Mobility in soil**
Not available.

**Other adverse effects**
The product itself and its products of degradation are not toxic.

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

<table>
<thead>
<tr>
<th>Shipping Description (Land)</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMO-IMDG Shipping Description (Sea)</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IATA Shipping Description (Air)</td>
<td>Not regulated</td>
</tr>
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</table>

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>DSL / NDSL</th>
<th>Octadecanoic acid, ester with 1,2,3-propanetriol, 1,2,3-propanetriol, Octadecanoic acid, potassium salt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>This material is manufactured for use as an additive in personal care products and is regulated under the FOOD, DRUG, and COSMETICS ACT (FDA) and is therefore exempt from TSCA inventory listing requirements.</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

| Revision date | July 3, 2018 |

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