1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sea Buckthorn Carrier Oil - CO2 extracted
Botanical name : Hippophae rhamnoides L.
INCI name : Hippophae rhamnoides oil
CAS # : 225234-03-7
Country of Origin : China
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 hazardous or dangerous under (EC) No 1272/2008, 67/548/EEC or 1999/45-EC.

GHS Label elements, including precautionary statements
Signal: Not applicable
Hazard statement(s)
Not available.
Precautionary statement(s)
Not available.

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>Hippophae rhamnoides Oil</td>
<td>225234-03-7</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
Rinse mouth with water and consult a physician immediately. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media
 Foam, dry powder, carbon dioxide.

Unsuitable extinguishing media
 Water

Special protective equipment and precautions for fire-fighters
Respiratory and eye protection required for fire fighting team.

Special hazards arising from the substance or its combustible products
At elevated temperatures there is a risk of exothermic polymerization (>200 deg C). At temperatures > 280 deg, acrolein (propenal) may be formed. Leakage or conditions resulting in impregnation of this oil with some porous materials such as rags, clothes, paper, insulation or clay may cause spontaneous combustion.

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
Keep away from heat and source of ignition. Ground all equipment containing material. Do not breathe gas/fumes/vapour/spray. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities
To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/ overheating and light sources. 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
Protective clothing and gloves should be worn.

Respiratory
In case of insufficient ventilation, wear suitable respiratory equipment.

Control parameters
Not determined.

Exposure limit values
Not determined.
9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: Red-brown to dark brown liquid.
- **Odor**: Characteristic odour of berry.
- **Initial b.p and boiling range**: > 316 °C
- **Flash point**: > 338 °C
- **Relative density**: 0.8500 to 0.9800 @ 20 deg C
- **Solubility (ies)**: Dispersible in oils. Insoluble in water.
- **Refractive index**: 1.4500 to 1.4800 @ 20 deg C

10. STABILITY AND REACTIVITY

- **Chemical stability**: Stable.
- **Conditions to avoid**: Temperatures > 200 °C; will cause polymerization, decomposition.
- **Incompatible materials**: Oxidizing agents.
- **Hazardous decomposition products**: Acrolein @ > 280 °C

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity**: No data is currently available.
- **Skin contact**: Adverse skin effects should be prevented by normal care and personal hygiene.
- **Eye contact**: May irritate eyes.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity**: Not determined.
- **Persistence and degradability**: Product is expected to be biodegradable.
- **Bio - accumulative potential**: Not determined.
- **Mobility in soil**: Not determined.

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

15. REGULATORY INFORMATION

**DSL / NDSL**
Not listed.

**TSCA**
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.

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**GHS Hazard Statements**
Not available.

**GHS Precautionary Statements**
Not available.

16. OTHER INFORMATION

| Revision date | : August 10, 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.