1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Helichrysum Essential Oil (Africa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical name</td>
<td>Helichrysum splendidum</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>South Africa</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
Flammable liquids - Category 3
Aspiration Hazard - Category 1
Skin Corrosion/Irritation - Category 2
Skin Sensitization - Category 1
Serious eye damage/eye irritation - Category 2A
Hazardous to the aquatic environment, acute hazard - Category 1
Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements

<table>
<thead>
<tr>
<th>Signal: Danger</th>
</tr>
</thead>
</table>

Hazard statement(s)

- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long-lasting effects.

Precautionary statement(s)
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fumes/gas/mist/vapours/spray.
Wash skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN: Wash with plenty of water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
Specific treatment (see section 4 on this label).
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or a rash occurs: Get medical advice/attention.
If eye irritation persists get medical advice/attention.
Take off contaminated clothing.
Wash contaminated clothing before reuse.
In case of fire: Use appropriate fire extinguisher to extinguish.
Collect spillage.
Store in a well ventilated place. Keep cool.
Store locked up.
Dispose of contents/container according to local regulations.

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>beta-Phellandrene+Cineole</td>
<td>-</td>
<td>-</td>
<td>13.97 - 23.85 %</td>
</tr>
<tr>
<td>alpha-Pinene</td>
<td>80-56-8</td>
<td>201-291-9</td>
<td>1.21 - 2.92 %</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**

**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**
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.**
Maintain good occupational and personal hygiene. Avoid contact with skin, wear protective clothing as described in Section 8 of this Safety Data Sheet. Give a warning to persons in the hazard area. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Give warning to all persons in hazard area if spillage occurs.

**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**
Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

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**
Odor is inadequate to warn of overexposure.

**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**
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear yellow to greenish liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Herbal sweet aroma.</td>
</tr>
<tr>
<td>Flash point</td>
<td>40 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.840 to 0.950 @ 20 °C</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Soluble in alcohol and oils. Insoluble in water.</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.440 to 1.550 @ 20°C</td>
</tr>
<tr>
<td>Optical rotation</td>
<td>-25 ° to 0 °</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Stable under the recommended handling and storage conditions.

Chemical stability
Stable under recommended handling and storage conditions.

Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to avoid
Temperatures more than room temperature will benefit the transfer from liquid to vapor phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Acute Oral Toxicity: Acute dermal toxicity: slightly irritating undiluted.

Chronic toxicity
May cause allergic reactions on skin.

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.

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 determined.

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

UN Number
1169

UN proper shipping name
Extracts, aromatic, liquid

Transport hazard class
3

Packing group
III

US DOT Shipping Description (Land)
1169

Proper shipping name
Extracts, aromatic, liquid

Class
3

Packaging group
III

IMO-IMDG Shipping Description (Sea)
1169

Proper shipping name
Extracts, aromatic, liquid

Class
3

Packaging group
III

IMO-IMDG code
1169

IMDG-Marine pollution
Yes.

IATA Shipping Description (Air)
1169
Proper shipping name
Extracts, aromatic, liquid

Class
3

Packaging group
III

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

15. REGULATORY INFORMATION

California Proposition 65
This product contains substance(s) listed under the California Proposition 65. Contains: β-Myrcene.

GHS Hazard Statements
Please refer to section 2.

GHS Precautionary Statements
Please refer to section 2.

16. OTHER INFORMATION

Revision date : August 31, 2018

Disclaimer & Caution
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