1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Armoise Mugwort Essential Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical name</td>
<td>Artemisia herba alba</td>
</tr>
<tr>
<td>INCI name</td>
<td>Artemisia Herba-Alba Oil</td>
</tr>
<tr>
<td>CAS #</td>
<td>84775-75-7</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>Morocco</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**
- Acute Toxicity - Oral - Category 4
- Sensitization - Skin - Category 1
- Flammable liquids - Category 3
- Hazardous to the aquatic environment - Chronic Hazard - Category 2

**GHS Label elements, including precautionary statements**

![Symbol icons]

Signal: Warning

**Hazard statement(s)**
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long-lasting effects.

**Precautionary statement(s)**
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Keep cool.

Ground or bond container and receiving equipment.

Use explosion-proof electrical, ventilating, lighting, equipment.

Avoid breathing dust, fumes, gas, mist, vapours or spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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: Call a POISON CENTER or doctor if you feel unwell.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash skin with water.

If skin irritation or a rash occurs: Get medical advice.

Wash and/or decontaminate removed clothing before reuse.

Use for extinguishing: Extinguishing media specified on section 5 to extinguish.

Collect spillage.

Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 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>Artemisa herba alba extract</td>
<td>84775-75-7</td>
<td>283-905-5</td>
<td>100 %</td>
</tr>
</tbody>
</table>

Contains no other components or impurities which will influence the classification of the product.

### 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 hazards arising from the substance or its combustible products**

None identified.
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
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
Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from naked flames and from all sources of ignition. Make sure the material does not come into contact with substances listed as: “Materials to Avoid”.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Eyes
The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless to yellow liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Strong characteristic thuyjanic odor.</td>
</tr>
<tr>
<td>Flash point</td>
<td>51 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.8900 to 0.9330 @ 25 °C</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Soluble in 2 volumes of 70% ethyl alcohol.</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.4550 to 1.4990</td>
</tr>
<tr>
<td>Optical rotation</td>
<td>-25 ° to -5 °</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY
Reactivity
This material presents no significant reactivity hazard.

Chemical stability
Chemically stable.

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
May irritate eyes.

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 this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

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

**IATA Shipping Description (Air)**
1169

**Proper shipping name**
Extracts, aromatic, liquid

**Class**
3

**Packaging group**
III

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### 15. REGULATORY INFORMATION

**California Proposition 65**
This product contains a component which is listed under California Proposition 65. Contains β-Myrcene.

**GHS Hazard Statements**
Refer to Section 2.

**GHS Precautionary Statements**
Refer to Section 2.

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### 16. OTHER INFORMATION

Revision date : October 22, 2018
Disclaimer & Caution

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