1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Origanum (Origanum vulgare) Essential Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical name</td>
<td>Origanum vulgare L.</td>
</tr>
<tr>
<td>INCI name</td>
<td>Origanum Vulgare Leaf Oil</td>
</tr>
<tr>
<td>CAS #</td>
<td>84012-24-8 / 336185-21-8</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>Spain</td>
</tr>
<tr>
<td>EINECS #</td>
<td>281-670-3</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 liquid - Category 4
- Acute Toxicity, Oral - Category 4
- Acute Toxicity, Dermal - Category 3
- Skin Corrosion/Irritation - Category 2
- Serious Eye Damage/Eye Irritation - Category 2A

GHS Label elements, including precautionary statements

Signal: Danger

H227              Combustible liquid.
H302              Harmful if swallowed.
H304              May be fatal if swallowed and enters airways
H311              Toxic in contact with skin
H315              Causes skin irritation
H317              May cause an allergic skin reaction
H319              Causes serious eye irritation
Precautionary statement(s)
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 In case of fire: Use extinguishing agents listed in section 5.
P403+P235 Store in a well ventilated place. Keep cool.
P501 Dispose of contents/container according to local regulations.
P264 Wash with plenty of water and soap thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P330 Rinse mouth.
P405 Store locked up.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P312 Call a POISON CENTER/doctor/ if you feel unwell.
P361 Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

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>Origanum Vulgare Leaf Oil</td>
<td>84012-24-8 / 336185-21-8</td>
<td>281-670-3</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
Seek medical attention or contact local poison control center.

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.**
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light yellow to reddish yellow liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic odor.</td>
</tr>
<tr>
<td>Flash point</td>
<td>63°C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.932 to 0.960@ 25°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>1.502 to 1.510@ 20°C</td>
</tr>
<tr>
<td>Optical rotation</td>
<td>(-2.0°) to (+3.0°) @ 20°C</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**

**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.

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 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**

**UN Number**
2810

**UN proper shipping name**
Toxic liquid, organic, n.o.s. (Origanum oil)

**Transport hazard class**
6.1

**Packing group**
III
US DOT Shipping Description (Land)
2810
Proper shipping name
Toxic liquid, organic, n.o.s. (Origanum oil)
Class
6.1
Packaging group
III

IMO-IMDG Shipping Description (Sea)
2810
Proper shipping name
Toxic liquid, organic, n.o.s. (Origanum oil)
Class
6.1
Packaging group
III

IATA Shipping Description (Air)
Not regulated
Proper shipping name
Toxic liquid, organic, n.o.s. (Origanum oil)
Class
6.1
Packaging group
III

15. REGULATORY INFORMATION

California Proposition 65
• This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

• This product can expose you to Pulegone, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements
Please refer to section 2.

GHS Precautionary Statements
Please refer to section 2.

16. OTHER INFORMATION
Revision date : April 22, 2022
Disclaimer & Caution

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