

**SAFETY DATA SHEET (SDS)**

Version 2.0

Revision Date : April 22, 2022

Print Date : May 4, 2024

**1. PRODUCT AND COMPANY IDENTIFICATION**

|                        |   |                                                          |
|------------------------|---|----------------------------------------------------------|
| Product name           | : | Spikenard Organic Essential Oil                          |
| Botanical name         | : | Nardostachys grandiflora DC                              |
| Synonyms               | : | Jatamansi Oil; Nardostachys grandiflora in wild          |
| INCI name              | : | Nardostachys Jatamansi Root Oil                          |
| Country of Origin      | : | Nepal                                                    |
| 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**

Flammable liquids - Category 3

Aspiration Hazard - Category 1

**GHS Label elements, including precautionary statements**

Signal: Danger

**Hazard statement(s)**

|      |                                               |
|------|-----------------------------------------------|
| H227 | Combustible liquid.                           |
| H304 | May be fatal if swallowed and enters airways. |

**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.                     |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/                                         |
| P331      | Do NOT induce vomiting.                                                                        |
| P370+P378 | In case of fire: Use appropriate fire extinguisher to extinguish.                              |
| P403+P235 | Store in a well ventilated place. Keep cool.                                                   |
| P501      | Dispose of contents/container to ...                                                           |

**3. COMPOSITION / INFORMATION INGREDIENTS**

| Product Name | CAS NO | EC NO | Concentration |
|--------------|--------|-------|---------------|
|--------------|--------|-------|---------------|

|                                                                                       |           |           |            |
|---------------------------------------------------------------------------------------|-----------|-----------|------------|
| Monoterpenes: alpha-pinene                                                            | 4180-23-8 | 224-052-0 | 30 - 100 % |
| Sesquiterpenes: jatamol, beta-gurjunene, E-beta-farnesene, seychellene, beta-elemene. | 5989-27-5 | 227-813-5 | 0.3 - 1 %  |
| Monoterpenes alcohols: 1,8-cineol.                                                    | 80-56-8   | 201-291-9 | 1 - 3 %    |

#### 4. FIRST AID MEASURES

---

##### **Eye contact**

Hold the eyelids apart and flush the eyes continuously with running for at least 15 minutes. Contact a doctor 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**

Dilute with water. Do not induce vomiting. Get medical attention or contact the poison control centre.

#### 5. FIRE FIGHTING MEASURES

---

##### **Suitable extinguishing media**

Water, foam, dry chemical powder, carbon dioxide.

##### **Unsuitable extinguishing media**

Water spray, water jet.

##### **Special protective equipment and precautions for fire-fighters**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray.

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

Heating can cause expansion/ decomposition of the material which can lead to containers exploding.

##### **Resulting gases**

Carbon oxides.

#### 6. ACCIDENTAL RELEASE MEASURES

---

##### **Personal precautions, protective equipment and emergency procedures.**

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**

Use absorbent material (soil, sand or other inert material). Use non-sparking tools. Collect & seal in properly labeled containers or, drums for disposal. Wash area down with detergent and excess water.

#### 7. HANDLING AND STORAGE

---

##### **Precautions for safe handling**

Do not expose to heat and flame; use only ventilated areas. Avoid sparks or smoking during use. Avoid skin & eye contact and breathing in vapor, mists & aerosols.

##### **Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area out of the direct sunlight. Store away from heat/ ignition sources and from oxidizers. Keep in glass, suitable plastic, aluminum or, lacquer-lined containers. Keep containers 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.

### Ingestion

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

|                  |   |                                                        |
|------------------|---|--------------------------------------------------------|
| Appearance       | : | Pale yellow/ amber/ deep blue slightly viscous liquid. |
| Odor             | : | Heavy, sweet-woody, spicy odor.                        |
| Flash point      | : | >60°C                                                  |
| Relative density | : | 0.890 - 0.980 @ 20 °C                                  |
| Solubility (ies) | : | Soluble in ethanol.                                    |
| Refractive index | : | 1.456 - 1.466 @ 20 deg C.                              |

## 10. STABILITY AND REACTIVITY

---

### 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

### Carcinogenicity

None of the components of this material are listed as a carcinogen.

### Chronic toxicity

May cause allergic reactions on skin.

### Teratogenicity

Not available.

### Mutagenicity

Not available.

### Respiratory or skin sensitization

Irritating to respiratory system and skin.

**Inhalation**

Irritant to mucous membrane of respiratory tract.

**Skin contact**

May cause sensitization by skin contact.

**Eye contact**

Irritating to eyes.

**Ingestion**

Harmful if ingested; can cause nausea, vomiting, diarrhea & abdominal pain.

---

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Avoid contaminating waterways. Prevent contamination of soil & ground. Do not discharge product unmonitored into environment. Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

**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**

NA 1993

**UN proper shipping name**

Combustible liquid,, n.o.s. (Spikenard Oil)

**Transport hazard class**

3

**Packing group**

III

---

**15. REGULATORY INFORMATION****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

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, Canada.