

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Spikenard Essential Oil
Botanical name	:	Nardostachys grandiflora DC.
Synonyms	:	Jatamansi, Bhulte, Nardostachys chinensis
INCI name	:	Nardostachys Jatamansi Root Oil
CAS #	:	90064-28-1
Country of Origin	:	Nepal
EINECS #	:	290-089-4
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 according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Nardostachys Jatamansi Root Oil	90064-28-1	290-089-4	100 %

4. FIRST AID MEASURES

Eye contact

Hold the eyelids apart and flush the eyes continuously with running water 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.

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

Oxides of Carbon (CO & CO₂) and/or Oxides of Nitrogen.
Hydrocarbons and/or its derivatives. Thermal degradation may also produce oxides of silicone.

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 liquid.
Odor	:	Sweet, woody, musky aroma..
Flash point	:	> 60 °C
Relative density	:	0.890 - 0.980 @ 20 deg C.
Solubility (ies)	:	Soluble in ethanol.
Refractive index	:	1.456 - 1.466 @ 20 deg C.
Optical rotation	:	Not available.

10. STABILITY AND REACTIVITY

Chemical stability

Stable

Conditions to avoid

Ignition sources.

Incompatible materials

Strong acids, strong alkalis, 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.

Mobility in soil

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

NA1993

UN proper shipping name

Combustible liquid, n.o.s. (Nardostachys grandiflora DC.)

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

NA1993

Proper shipping name

Combustible liquid, n.o.s. (Nardostachys grandiflora DC.)

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

Not regulated.

IATA Shipping Description (Air)

Not regulated.

15. REGULATORY INFORMATION

WHMIS Classification

Not available.

GHS Hazard Statements

Refer to Section 2.

GHS Precautionary Statements

Refer to Section 2.

16. OTHER INFORMATION

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Disclaimer & Caution

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