

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22, 2022

Print Date : April 24, 2024

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 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

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.