



Spikenard Essential Oil – Safety Data

MATERIAL SAFETY DATA SHEET

(GHS Format)

1. Identification

Product Name: Spikenard Essential Oil
Scientific Name: Nardostachys jatamansi
Synonyms: NA
CAS Number: 8022-22-8
Product Use: Cosmetic, flavors, fragrances.
Manufacturer/Supplier: Amrita Aromatherapy
Address: 1900-C West Stone Ave., Fairfield, IA 52556
Phone: 1-800-410-9651 or 1-641-472-9136
Fax: 1-641-472-8672
Transportation Emergency Number: CHEMTREC: 800-424-9300

2. Hazards Identification

Appearance: Pale yellow to greenish liquid
Signal Word: Danger
Statement of Hazard: H226 – Flammable liquid and vapor
H304 – May be fatal if swallowed and enters airways
H315 – Causes Skin irritation
H317 – May cause an allergic skin reaction
H410 – Very toxic to aquatic life with long lasting effects

Precautionary Statements:

P280 - Wear eye protection/ face protection
P321 - Specific treatment (see product label)
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
P331 - Do NOT induce vomiting
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Aspiration toxicity: Category 1
Skin Irritation: Category 2
Skin Sensitization: Category 1
Acute aquatic toxicity: Category 1
Chronic aquatic toxicity: Category 1
Flammable liquids: Category 3

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*



Classification according to EU Directives 67/548/EEC or 1999/45/EC.
For the full text of the R-phrases mentioned in this Section, see Section 16.

Symbol(s)

Xi – Irritant

N – Dangerous for the environment

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*

Hazard Symbols:



3. Composition / Information on Ingredients

(See Section 8 for Exposure Limits)

4. First Aid Measures

General Advice: Immediate medical attention is required Show this material safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and water. If irritation occurs or persists, get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*



directed by medical personnel. Seek medical attention immediately.

Inhalation: Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Symptoms and Effects of Exposure: For information on potential signs and symptoms of exposure, See Section 2 – Hazards Identification and/or Section 11 - Toxicological Information.

5. Fire Fighting Measures

Extinguishing Media: Use: Dry chemical Carbon dioxide CO2 Water spray Alcohol-resistant foam

Hazardous Combustion Products: Carbon monoxide and carbon dioxide

Fire Fighting Procedures: During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

Fire / Explosion Hazards: Flammable liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

6: Accidental Release Measures

Health and Safety Precautions: Personnel involved in cleanup should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Eliminate all sources of ignition and ventilate area using explosion-proof equipment.

Measures for Cleaning And Collecting: Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.

Measures for Environmental Protections: Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*

7. Handling and Storage

General Handling: Use only in a well-ventilated area. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash contact areas thoroughly after handling. Keep away from heat, sparks, flame and all other sources of ignition. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste-water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Storage Conditions: Store as directed by product packaging

8. Exposure Controls / Personal Protection

Exposure limit: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls: Engineering controls should be used as the primary means to control exposures. General contamination levels below room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne the exposure limits listed above in this section.

Environmental Exposure Controls: Refer to specific Member State legislation for requirements under Community environmental legislation.

Personal Protective Equipment: Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands: Wear impervious gloves.

Eyes: Wear safety glasses or goggles if eye contact is possible.

Skin: Wear protective clothing when working with large quantities.

Respiratory protection: If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

9. Physical and Chemical Properties

Physical State:	Liquid
Liquid Color:	Pale yellow to greenish liquid
Odor:	Harsh earthy, woody smell that is slightly musty
Molecular Weight:	No information
Water Solubility:	Not Soluble
Boiling Point (°C):	No information
Vapor Pressure (kPa):	No information
Vapor Density (g/ml):	No information
Flash Point (Liquid) (°C):	85°C Closed cup FCC Method
Upper Explosive Limits:	No information
Lower Explosive Limits:	No information
Polymerization:	Will not occur
Specific Gravity 25 °C:	No information
Specific Gravity 20 °C:	0..890-0.980 FCC Method
Refractive Index:	1.456-1.466

10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Keep away from heat, spark, flames and all other sources of ignition.
Incompatible Materials:	Strong oxidizing agents and strong inorganic acids

11. Toxicological Information

General Information: Product does not present an acute toxicity hazard based on known or supplied information.

Acute Toxicity: (Species, Route, End Point, Dose

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 1, 2005):

Oral	5,000 mg/kg,
Dermal	5,000 mg/kg

Irritation / Sensitization: (Study Type, Species, Severity)

Eye Irritation Rabbit Severe (Historical data).

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*



Skin Absorption: Skin Irritation Rabbit Mild. (Historical data).
No adverse effects with normal skin. However, potentially harmful amounts of material may be absorbed across markedly abraded skin when contact is sustained.

Carcinogen Status: Carcinogenicity of the mixture has not been determined. Not listed as carcinogens by IARC, US OSHA or NTP.

12. Ecological Information

Environmental Overview: The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.

Ecotoxicity effects: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical: Limonene: Toxicity to fish: 0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50

Persistence and Degradability: No information available

Bioaccumulative potential: No information available

Mobility in soil: No information available

Other adverse effects: No information available

13. Disposal Considerations

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*



environmental releases. This may include destructive techniques for waste and wastewater.

14. Transport Information

The following refers to all modes of transportation unless specified below.
This material is regulated for transport under DOT, ADR, IMDG, and IATA regulations.

UN number:	Not regulated
UN proper shipping name:	Extracts, Aromatic Liquid
Transport hazard class(es):	Not regulated
Packing group:	Not regulated
Flash Point (°C):	85
Marine Pollutant:	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

15. Regulatory Information

EU Symbol:	F
EU Indication of danger:	Flammable
EU Risk Phrases:	R10 - Flammable.
EU Safety Phrases:	R16 - Keep away from sources of ignition - No smoking. R22 - Harmful if swallowed. R25 - Avoid contact with eyes. R51 - Toxic to aquatic animals.
OSHA Label:	WARNING : Flammable liquid and vapor.
Identifying markings in accordance with EC directives /GefStoffV:	No duty to mark/Exempt.
California Proposition 65	Not listed.
United States TSCA	Complies.
Australia (AICS):	Not present.
EU EINECS/ELINCS List	Complies

16. Other Information

Full text of H-Statements referred to under sections 2 and 3:
H400 - Very toxic to aquatic life H317 - May cause an allergic skin reaction H316 - Causes mild skin irritation H304 - May be fatal if swallowed and enters airways H410 - Very toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor

Data Sources: Publicly available toxicity information.

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*



Reasons for Revision:

GHS conformance.

Prepared by:

G. Timmons 07/10/13

Revision Indicator:

Oh, Oh Organic, Inc

New MSDS

Disclaimer: The information contained herein is accurate to the best of our knowledge. Amrita Aromatherapy makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

Revised Date: _____
Initials/Approval: _____

Format: *Global Harmonized System*
Creation Date: *July 10, 2013*