Material Safety Data Sheet
Spikenard Oil

Section 1: Product and Company Identification
Product Name: Spikenard Oil
Botanical Name: Nardostachys jatamansi
INCI Name: Nardostachys jatamansi oil
CAS#: 8022-22-8 / 90064-28-1
EINECS #: 290-089-4

Contact information:

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Section 2: Composition and Information on Ingredients
CAS #: 8022-22-8 / 90064-28-1
EINECS #: 290-089-4

Composition:
30% to 55% beta-Gurjunene CAS No: 489-40-7 EC No: 207-695-1
Classification (EC 1272/2008): Not determined
10% to 30% beta-Patchoulene CAS No: 514-51-2 EC No: 208-182-5
Classification (EC 1272/2008): Not determined
5% to 18% Maailene CAS No: Not registered EC No: Not registered
Classification (EC 1272/2008): Not determined.
Section 3: Hazards Identification

Classification of the substance or mixture
UN-GHS: AH1
EU-CLP: AH1

Human health: May be fatal if swallowed and enters airways.
Environment: The product contains a substance which may cause long term adverse effects in the aquatic environment.

Hydrocarbon Content: 80%.

Classification (EC 1272/2008)
Physical and Chemical Hazards: See above
Human health: Aspiration Hazard Category 1 – H304
Environment: Not classified

Label Elements
Label in accordance with (EC) No 1272/2008

Signal Word: Danger
Contains: Beta-gurjunene, alpha- & beta-patchoulene, maaliene, aristolone, patchouli alcohol, seychellene, nardol, nardostachone, camphene, pinene, limonene.

Hazard Statements: H304: May be fatal if swallowed and enters airways
Precautionary Statements: P301/310: IF SWALLOWED, Immediately call a POISON CENTER or doctor/physician.
P331: Do NOT induce vomiting.

Other Hazards: PBT or vPvB according to Annex XIII: No
Adverse physio-chemical properties: Combustible but should not self-ignite
Adverse effects on human health: Aspiration Hazard
Section 4: First Aid Measures

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
Eye contact: Rinse immediately with plenty of water for at least 15 mins. Remove any contact lenses and open eyes wide apart. Contact a doctor if symptoms persist.
Skin contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
Ingestion: Do not induce vomiting. Rinse mouth out with water and provide fresh air. Seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

Inhalation: Choking, drowsiness, respiratory disruptions.
Ingestion: May cause queasiness and stomach aches
Skin contact: May cause irritation and stinging
Eye contact: May cause irritation and reddening

Section 5: Fire and Explosion Data

Unsuitable extinguishing media: Full water jet.

Special measures: Closed containers may build up pressure at elevated temperatures.
Advice for firefighters: Special Fire Fighting Procedures
Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment. Do not allow spillage into drains or waterways.
Protective equipment for fire-fighters
Wear full protective clothing.

Section 6: Accidental Release Measures

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

Environment precautions: Do not discharge into drains, water courses or onto the ground.
Cleaning up methods: Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or courses of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
Section 7: Handling and Storage

Precautions in handling: Keep away from food, drink and animal feed products. When using do not smoke. Avoid contact with skin and eyes. Handle in accordance with good hygiene and safety practice.

Storage conditions: Keep product in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light. Stock according to local / national regulations and always follow the precautions indicated on labels.

Section 8: Exposure Controls/Personal Protection

Process Conditions: Provide eyewash stations

Engineering Measures: Provide adequate ventilation

Respiratory protection: For high concentrations use respiratory equipment.

Ventilation: Ensure good ventilation of working area.

Hand protection: Chemical resistant gloves (PVC)

Eye protection: Wear approved safety goggles.

Work/Hygiene practices: Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Other Protection: Wear appropriate clothing to prevent any possibility of skin contact.

Personal Protection: Use personal protection according to Directive 89/686/EEC.

Skin Protection: Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls: Avoid discharging into drainage water. Only eliminate by authorised companies.

Section 9: Physical and Chemical Properties

Colour: Yellow to yellow-brown

Appearance: Mobile, slightly viscous liquid

Odour: Characteristic, earthy pleasant, woody

Flash point °C: 85

Specific gravity at 20°C: 0.930 to 0.980 @ 20°C

Refractive index @ 20°C: 1.480 to 1.525 @ 20°C

Solubility in water: Insoluble
Section 10: Stability and Reactivity Data
Reactivity: No dangerous reactions known
Chemical Stability: Stable under the recommended handling and storage conditions
Conditions to Avoid: Avoid heating to elevated temperatures
Incompatible Materials: Avoid mixing with strong acids, strong bases and oxidizing agents
Hazardous Decomposition Products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

Section 11: Toxicological Information
Aspiration Hazard: Aspiration hazard category 1 under EC 1272/2008 guidelines

Section 12: Ecological Information
Biodegradability: Not tested for persistence or biodegradability
Other Adverse Effects: Do not allow product to enter streams, sewers or other waterways

Section 13: Disposal Considerations
General: Do not re-use empty containers. Empty residue into a suitable disposal site.
Waste Disposal Methods: Do not put into sewer lines. Dispose of according to local, state and federal regulations.

Section 14: Transport Information
UN Number UN No. Road: Not regulated for transport
UN No. SEA: Not regulated for transport
UN No. AIR: Not regulated for transport

UN proper shipping name: Not classified
Transport hazard class(es) ADR/RID/ADN: Not regulated for transport
ADR/RID/ADN Class - - -
IMDG Class - - -
ICAO Class/Division - - -
Packing group ADR/RID/ADN Packing group Not regulated for transport
IMDG Packing group - - -
Environmental hazards: Do not allow to escape into environment, especially not into waterways, sewers or the sea.

Special precautions for user
EMS: Not allocated
Emergency Action Code: Not allocated
Hazard No. (ADR) : Not allocated
Tunnel Restriction Code (E) Not assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Tariff Number 33012911

Section 15: Other Regulatory Information
Statutory Instruments

Guidance Notes
Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

EU Legislation

Section 16: Other Information

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