

Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Spikenard oil			
Biological Definition		The volatile oil obtained by steam distillation of the dried roots of the plant <i>Nardostachys jatamansi</i> (D. Don) DC (fam. Valerianaceae).			
INCI Name		Nardostachys jatamansi oil.			
Synonyms & Trade Names		Nardostachys indica oil, Valeriana jatamansi oil, 'False' Indian valerian root oil.			
CAS-No	8022-22-8 / 90064-28-1	EC No.	290-089-4	EINECS No.	290-089-4
1.2 Relative identified uses of the substance or mixture and uses advised against					
Used in perfumery and for flavouring tobacco. Used in diluted form in vapour baths and for therapeutic body massage.					
1.3 Details of the supplier of the safety data sheet					
Phytos Natur CZ s.r.o. Okrouhelská 258, 252 45 Oleško					

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture					
UN-GHS: AH1 EU-CLP: AH1					
[The Full Text for all Hazard Statements is Displayed in Section 16].					
<u>Human health</u> May be fatal if swallowed and enters airways.					
<u>Environment</u> 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					
2.2 Label Elements					
Label in accordance with (EC) No 1272/2008					

GHS07	
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.	
Supplementary Precautionary Statements	

2.3 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures	
<p>30% to 55% beta-Gurjunene CAS No: 489-40-7 EC No: 207-695-1 Classification (EC 1272/2008): Not determined</p> <p>10% to 30% beta-Patchoulene CAS No: 514-51-2 EC No: 208-182-5 Classification (EC 1272/2008): Not determined</p> <p>5% to 18% Maailene CAS No: Not registered EC No: Not registered Classification (EC 1272/2008): Not determined.</p>	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.
Ingestion	Do NOT induce vomiting! Immediately rinse mouth and provide fresh air. Get medical attention.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
<p>Inhalation: Choking, drowsiness, respiratory disruptions.</p> <p>Ingestion : May cause queasiness and stomach aches</p> <p>Skin contact : May cause irritation and stinging</p> <p>Eye contact : May cause irritation and reddening</p>	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Extinguishing media: Carbon dioxide (CO ₂). Powder. Water spray.
Unsuitable extinguishing media: Full water jet.
5.2 Special hazards arising from the product
Closed containers may build up pressure at elevated temperatures.
5.3 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.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
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.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
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 sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
6.4 Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

07. HANDLING AND STORAGE

7.1 Precautions for safe 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.
7.2 Conditions for safe storage, including any incompatibilities
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.
7.3 Specific end use(s)
No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Comment: No exposure limits noted for ingredient(s).
8.2 Exposure controls
Protective Equipment

Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
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.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Mobile, slightly viscous liquid
Colour	Yellow to yellow-brown
Odour	Characteristic, earthy pleasant, woody
Relative Density	0.930 to 0.980 @ 20°C
Flash Point (°C)	85 c/c (lit.)
Refractive Index	1.480 to 1.525 @ 20°C
Melting Point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapour Pressure	No additional data available
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No dangerous reactions known.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
No additional data available	
10.4 Conditions to Avoid	
Avoid heating to elevated temperatures.	
10.5 Incompatible materials	
Materials To Avoid: Avoid mixing with strong acids, strong bases and oxidising agents.	
10.6 Hazardous Decomposition Products	

Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	Not determined
Skin corrosion / irritation	Not classified
Serious eye damage / irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ Cell Mutagenicity	Not listed as mutagenic
Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not listed as reprotoxic
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	Aspiration Hazard Category 1 under EC 1272/2008 guidelines
Photo-toxicity	Not listed as photo-toxic
Other Information	No additional data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available

12.2 Persistence & degradability

Not tested for persistence or biodegradability

12.3 Bioaccumulation Potential

Not determined

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB Assessment

No data available

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General information:

Do not re-use empty containers. Empty residue into a suitable disposal site.

Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	Not regulated for transport
UN No. SEA	Not regulated for transport
UN No. AIR	Not regulated for transport

14.2 UN proper shipping name

Not classified
14.3 Transport hazard class(es)
ADR/RID/ADN Not regulated for transport ADR/RID/ADN Class - - - IMDG Class - - - ICAO Class/Division - - -
14.4 Packing group
ADR/RID/ADN Packing group Not regulated for transport IMDG Packing group - - - ICAO Packing group - - -
14.5 Environmental hazards
Do not allow to escape into environment, especially not into waterways, sewers or the sea.
14.6 Special precautions for user
EMS: Not allocated Emergency Action Code: Not allocated Hazard No. (ADR) : Not allocated Tunnel Restriction Code (E) Not assigned
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
Tariff Number 33012911

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG (108).
EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2 Chemical safety assessment
No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	AH 1 Aspiration hazard Category 1 – H304: May be fatal if swallowed and enters airways P301/310: IF SWALLOWED, Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting.
Other Information	None found
Revision Date	29.06.2015

Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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