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

## 1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Spikenard oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>The volatile oil obtained by steam distillation of the dried roots of the plant <em>Nardostachys jatamansi</em> (D. Don) DC (fam. Valerianaceae).</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Nardostachys jatamansi oil.</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>Nardostachys indica oil, Valeriana jatamansi oil, ‘False’ Indian valerian root oil.</td>
</tr>
<tr>
<td>CAS-No</td>
<td>8022-22-8 / 90064-28-1</td>
</tr>
<tr>
<td>EC No.</td>
<td>290-089-4</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>290-089-4</td>
</tr>
</tbody>
</table>

## 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

Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912

## 1.4 Emergency Tel. No.

+ 44 (0) 161 633 3952

# 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].

**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

## 2.2 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.

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.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

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.

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
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

4.3 Indication of any immediate medical attention and special treatment needed
No additional data available
05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media


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 courses 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.

08. EXPOSURE CONTROLS/PERSOAL PROTECTION

8.1 Control parameters

Comment: No exposure limits noted for ingredient(s).

8.2 Exposure controls

Protective Equipment
09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Mobile, slightly viscous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow to yellow-brown</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic, earthy pleasant, woody</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.930 to 0.980 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>85 c/c (lit.)</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.480 to 1.525 @ 20°C</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>No additional data available</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>No additional data available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No additional data available</td>
</tr>
<tr>
<td>Solubility in Water @20°C</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td>No additional data available</td>
</tr>
</tbody>
</table>

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
11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

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

<table>
<thead>
<tr>
<th>UN No. Road</th>
<th>Not regulated for transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. SEA</td>
<td>Not regulated for transport</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>Not regulated for transport</td>
</tr>
</tbody>
</table>

14.2 UN proper shipping name

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

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

EU Legislation

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

<p>| 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 |</p>
<table>
<thead>
<tr>
<th>Reason for revision</th>
<th>New SDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rev No/Repl, SDS Generated</td>
<td>01</td>
</tr>
</tbody>
</table>

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