



MATERIAL SAFETY DATA SHEET

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

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|--|------------------------|--|-------------------|------------|---------------|
| 1.1 Product Identifier | | | | | |
| Product Name | | Patchouli Oil | | | |
| Biological Definition | | Pogostemon Cablin Leaf Oil is the volatile oil obtained from the leaves of the Patchouli, <i>Pogostemon cablin</i> , Labiatae. | | | |
| INCI Name | | Pogostemon Cablin Leaf Oil. | | | |
| Synonyms & Trade Names - | | | | | |
| CAS-No | 8014-09-3 / 84238-39-1 | EC No. | - / 282-493-4 | EINECS No. | - / 282-493-4 |
| 1.2 Relative identified uses of the substance or mixture and uses advised against | | | | | |
| Fragrance or Flavour. | | | | | |
| 1.3 Details of the supplier of the safety data sheet | | | | | |
| NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR | | | | | |
| 1.4 Emergency Tel. No. | | | +44(0)1603 610883 | | |

02. HAZARDS IDENTIFICATION

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| 2.1 Classification of the substance or mixture | |
| The Full Text for all Hazard Statements is displayed in Section 16. | |
| Classification (EC 1272/2008) | |
| Physical and Chemical Hazards: Not classified. Human health: Acute Tox. 4 - H302. Skin Corr. 1B H314 Eye Irrit. 2 - H319. Skin Sens. 1 -H317. Asp. Tox. 1 - H304. Environment: Aquatic Chronic 2 - H411. | |
| 2.2 Label Elements | |
| Label in accordance with (EC) No 1272/2008 | |
| GHS08 | GHS09 |
|  |  |
| Signal Word | Danger |
| Contains | - |
| Hazard Statements | |
| H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H411 Toxic to aquatic life with long lasting effects. | |

Precautionary Statements

P273 Avoid release to the environment.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.
 P405 Store locked up
 P501 Dispose of contents/container in accordance with national regulations

Supplementary Precautionary Statements

P273 Avoid release to the environment.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3 Other Hazards

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|-------------------------------------|--|
| PBT or vPvB according to Annex XIII | No additional data available. |
| Adverse physio-chemical properties | The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. |
| Adverse effects on human health | No additional data available. |

03. COMPOSITION/INFORMATION ON INGREDIENTS

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| 3.2 Mixtures |
| 30.0-60.0% Patchouli Alcohol CAS-No: 5986-55-0-1 EC No: 27-807-2 Classification (EC 1272/2008) Not Classified |
| 30.0-60.0% Patchouli Alcohol CAS-No: 3691-12-1-1 EC No: n/a Classification (EC 1272/2008) Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 |
| 1.0 - 5.0% Beta Caryophyllene CAS-No: 87-44-5 EC No: 201-746-1 Classification (EC 1272/2008) Asp. Tox. 1 - H304 |

04. FIRST AID MEASURES

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| 4.1 | Description of first aid measures |
| Inhalation | Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues. |
| Ingestion | Seek medical assistance immediately. Rinse mouth and drink plenty of water. Keep patient under observation. Do not induce vomiting |
| Skin Contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues. |
| Eye Contact | Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. |
| 4.2 | Most important symptoms and effects, both acute and delayed |
| | No additional data available. |
| 4.3 | Indication of any immediate medical attention and special treatment needed |
| | No additional data available. |

05. FIRE-FIGHTING MEASURES

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| 5.1 Extinguishing Media | Do not use a direct stream of water to extinguish. Use: Carbon dioxide (CO ₂), dry chemical or foam. |
| 5.2 Special hazards arising from the product | Specific hazards: When heated and in case of fire, it emits acrid smoke as well as carbon monoxide and carbon dioxide. |
| 5.3 Advice for firefighters | Protective equipment for fire-fighters: Wear Self-contained breathing apparatus. Wear chemical protective clothing. |


06. ACCIDENTAL RELEASE MEASURES

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| 6.1 Personal precautions, protective equipment and emergency procedures | Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. |
| 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. | Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. |
| 6.4 Reference to other sections | Refer to Section 8 for information on personal protection equipment. Refer to Section 13 for waste disposal. |

07. HANDLING AND STORAGE

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| 7.1 Precautions for safe handling | Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame. Store separate from strong oxidising agents. |
| 7.3 Specific end use(s) | No additional data available. |

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 Control parameters | |
| - | |
| 8.2 Exposure controls | |
| Protective Equipment | |
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| Process Conditions | Eye bath. |
| Engineering Measures | Provide adequate ventilation. Local exhaust ventilation |
| Respiratory Equipment | Protection not required if good ventilation is maintained. Use suitable respiratory protection in poorly ventilated areas. |
| Hand Protection | Use suitable protective gloves if risk of skin contact. |
| Eye Protection | Wear approved safety goggles. |
| Other Protection | Wear appropriate clothing to prevent any possibility of skin contact. |
| Hygiene Measures | Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Do not smoke in work area. |
| 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 | |
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| Appearance | Slightly viscous liquid, brown to dark red brown |
| Colour | Brown to dark red brown |
| Odour | Characteristic |
| Relative Density | 0.952-0.975 @ 20°C |
| Flash Point (°C) | >93 |
| Refractive Index | 1.505 -1.515 @ 20°C |
| Melting Point (°C) | Not determined. |
| Boiling Point (°C) | Not determined. |
| Vapour Pressure | Not determined. |
| Solubility in Water @20°C | Insoluble in water. 1:9 in 90 % ethanol |
| Auto-ignition temperature (°C) | Not determined. |

| 9.2 Other information | |
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| No additional data available. | |

10. STABILITY AND REACTIVITY

| 10.1 Reactivity | |
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| No additional data available. | |
| 10.2 Chemical stability | |
| Heating causes vaporization and formation of ignitable atmosphere is possible. | |
| 10.3 Possible hazardous reactions | |
| Formation of explosive gas mixture with air possible. In case of unpropitious storing conditions (air admission, heat accumulation) self-ignition is possible for moistened solids (e.g. cloth, pulp, filter panel, binder). Reacts violently with oxidizing agents. | |
| 10.4 Conditions to Avoid | |
| Avoid heat, sparks and open flames. | |
| 10.5 Incompatible materials | |
| Materials to Avoid: Strong oxidising agents, acids and alkalis | |
| 10.6 Hazardous Decomposition Products | |
| In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and acrid smoke. | |

11. TOXOLOGICAL INFORMATION

| 11.1 Information on toxicological effects | |
|--|-------------------------------|
| Acute Toxicity | No additional data available. |
| Skin corrosion / irritation | No additional data available. |
| Serious eye damage / irritation | No additional data available. |
| Respiratory or skin sensitisation | No additional data available. |
| Germ Cell Mutagenicity | No additional data available. |
| Carcinogenicity | No additional data available. |
| Reproductive toxicity | No additional data available. |
| STOT-single exposure | No additional data available. |
| STOT-repeated exposure | No additional data available. |
| Photo-toxicity | No additional data available. |
| Other Information | No additional data available. |



12. ECOLOGICAL INFORMATION

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|--|--|
| 12.1 Toxicity | Dangerous for the environment. May cause long lasting harmful effects to aquatic life. |
| 12.2 Persistence & degradability | No additional data available. |
| 12.3 Bioaccumulation Potential | No additional data available. |
| 12.4 Mobility in soil | No additional data available. |
| 12.5 Results of PBT and vPvB Assessment | No additional data available. |
| 12.6 Other adverse effects | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |

13. DISPOSAL CONSIDERATIONS

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| 13.1 Waste treatment methods |
| Dispose of in compliance with all local and national regulations. |

14. TRANSPORT INFORMATION

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| 14.1 UN number | |
| UN No. Road | 3082 |
| UN No. SEA | 3082 |
| UN No. AIR | 3082 |
| 14.2 UN proper shipping name | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S | |
| 14.3 Transport hazard class(es) | |
| ADR/RID/ADN Class: | 9 Miscellaneous dangerous substances and articles. |
| ICAO Class/Division: | 9 |
| IMDG Class: | 9 |
| Transport Labels | |
|  | |
| 14.4 Packing group | |
| ADR/RID/ADN Packing group | III |
| IMDG Packing group | III |
| ICAO Packing group | III |
| 14.5 Environmental hazards | |
| Environmentally Hazardous Substance/Marine Pollutant | |
|  | |
| 14.6 Special precautions for user | |
| EMS F-A-S-F | |
| Hazard No. (ADR) 3 | |
| Emergency Action Code 3Z | |
| Hazard ID Number (ADR/RID) 90 | |
| Tunnel Restriction Code (E) | |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code | |
| No additional data available. | |

15. REGULATORY INFORMATION

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|-------------|---|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture |
| | <p>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.</p> |
| 15.2 | Chemical safety assessment |
| | No additional information available. |

16. OTHER INFORMATION

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|--|---|
| Hazard and/or Precautionary Statements in Full | H315 Causes skin irritation. H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects. |
| Other Information | None. |
| Revision Date | 10/10/2018 |
| Reason for revision | Updated New Format SDS. |
| Rev No/Repl, SDS Generated | 01 |

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