

Safety Data Sheet

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

Product Name	Patchouli oil Dark				
Biological Definition	The volatile oil obtained from the steam distillation of the dried fermented leaves of <i>Pogostemon cablin</i> (Blanco) Bentham (Fam. Labitae).				
INCI Name	Pogostemon Cablin Leaf Oil				
Synonyms & Trade Names	Patchouli oil Indonesian				
Supplier					
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2838	FDA No.	§172.510 (As food additive: §121.1164)	CoE No.	353
CAS-No	8014-09-3	EC No.	282-493-4	EINECS No.	282-493-4

02. HAZARDS IDENTIFICATION

Classification (1999/45)	Not classified
Classification (EC 1272/2008)	UN-GHS: SCI 3 EU-CLP: Not classified
Label in accordance with (EC) No 1272/2008	No labelling required
Signal Word	Warning
Contains	Patchulol, alpha-Guaiene, Bulnesene.
Hazard Statements	None
Precautionary Statements	None
Supplementary Precautionary Statements	None
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Combustible but will not self-ignite
Adverse effects on human health	Can cause skin sensitisation in rare cases.

03. COMPOSITION/INFORMATION ON INGREDIENTS

To 32 % Patchulol CAS: 5986-55-0 Possible irritant to mucous membranes and upper respiratory tract. Very toxic to aquatic organisms,
9% to 15% Alpha-Guaiene: CAS: 3691-12-1 UN-GHS: Not a dangerous substance.
9% to 21% Bulnesene: CAS: 3691-11-0 UN-GHS: Not a dangerous substance

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.

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Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray



06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	  Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

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09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Slightly viscous liquid
Colour	Brown to dark red-brown
Odour	Powerful woody-balsamic
Relative Density	0.952 to 0.975 @ 20°C
Flash Point (°C)	>116 c/c
Refractive Index	1.505 to 1.515 @ 20°C
Melting Point (°C)	Not given
Boiling Point (°C)	287 @ 760mm Hg
Vapour Pressure	0.01 mm Hg @ 20°C
Solubility in Water @20°C	Insoluble
Auto-ignition temperature (°C)	Not determined

10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity LD50 oral-rat >5g/kg Opdyke & Letizia <i>FCT 20</i> , 791-2 (1982) Dermal toxicity LD50 skn-rbt >5g/kg Opdyke & Letizia <i>FCT 20</i> , 791-2 (1982)
Skin corrosion / irritation	No published data found indicating proven skin irritation effects, however mild irritation known to occur.
Serious eye damage / irritation	No published data found. Mild irritation may occur.
Respiratory or skin sensitisation	No adverse data found indicating proven skin irritating effects although individual sensitivities indicated.
Germ Cell Mutagenicity	No data found
Carcinogenicity	No data found, but constituents not known to show carcinogenicity. Not listed as carcinogenic by OSHA, IARC, ACTGH, OEHHA-Prop 65, RTECS
Reproductive toxicity	No adverse reprotoxic data found. Not listed as reprotoxic by OSHA, IARC, ACTGH, OEHHA-Prop 65, RTECS
STOT-single exposure	No data found
STOT-repeated exposure	No data found

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Aspiration hazard	No data found
Photo-toxicity	Not photo-toxic
Other Information	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to fish (to <i>Oncorhynchus mykiss</i> over 96h LC50: 5.7mg/l)
Mobility	Not determined
Persistence & Biodegradability	No data: the material however does not degrade quickly
Bioaccumulation Potential	No data found
PBT Assessment Results	No data found
Precautions	Do not release into the environment, especially into waterways, sewers and the sea.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

Warning Icon	Not applicable
Proper Shipping Name	Not subject to ADR
UN No. Road	Not applicable
ADR Class	Not applicable
Hazard No (ADR)	Not applicable
Hazchem Code	Not applicable
UN No. SEA	Not regulated
IMDG Class	Not applicable
IMDG Pack Gr.	Not applicable
EMS	Not applicable
UN No. AIR	Not regulated
Air Class	Not applicable
Air Pack Gr.	Not applicable

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15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

Revision Date	03/2015
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	None
Hazard Statements in Full	None
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.