





Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Patchouli Oil Organic			
Biological Definition		Pogostemon Cablin Leaf Oil is the volatile oil obtained from the leaves of the Patchouli, <i>Pogostemon cablin</i> , <i>Labiatae</i> .			
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					
Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1					
1.4 Emergency Tel. No.		604-540-8700 (Monday-Friday 8:30 am-4:30 pm)			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
The full text for all hazard statements displayed in Section 16.	
Classification (EC 1272/2008)	
Physical and Chemical Hazards:	Not classified.
Human health:	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. H411 Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P273 Avoid release to the environment. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. 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	
-	
2.3 Other Hazards	
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	Ingestion of even small quantities may be fatal.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures		
30.0 - 60.0% Patchouli Alcohol	CAS-No: 5986-55-0	EC No: 227-807-2
Classification (EC 1272/2008) Not classified.		
10.0 - 30.0% Alpha Guaiene	CAS-No: 3691-12-1	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

4.1 Description of first aid measures	
Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
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

5.1 Extinguishing Media	
Extinguishing media:	Use as appropriate: Carbon dioxide (CO ₂), dry chemical or foam.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the product	
When heated to decomposition, it emits acrid smoke as well as carbon monoxide and carbon dioxide.	

5.3 Advice for firefighters
Use water spray / stream to protect personnel and to cool endangered containers. Wear full protective clothing.


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin. No smoking, sparks, flames or other sources of ignition near spillage. For personal protection, see Section 8.
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 spillage with inert, damp, non-combustible material. Eliminate all sources of ignition. Dispose of contents/container in accordance with international regulations.
6.4 Reference to other sections
For waste disposal, see Section 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid spilling. Avoid inhalation of vapours.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep air contact to a minimum.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate general and local exhaust ventilation.
Respiratory Equipment	If ventilation is insufficient, suitable respiratory protection must be provided.
Hand Protection	Use Chemical resistant gloves (PVC) 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	DO NOT SMOKE IN WORK AREA! Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Good personal hygiene practices are always advisable, especially when working with chemicals.
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.
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09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
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)	> 93.0
Refractive Index	1.505 - 1.515 @ 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. 1:9 in 90 % ethanol @ °C
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
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, flames and other sources of ignition.	
10.5 Incompatible materials	
Materials To Avoid: Strong acids, alkali or oxidising agents.	
10.6 Hazardous Decomposition Products	
When heated to decomposition, it emits acid smoke, fumes as well as carbon monoxide and carbon dioxide.	

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.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.


12. ECOLOGICAL INFORMATION


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
No additional data available.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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 ADR/RID/ADN Class 9: Miscellaneous dangerous substances and articles. IMDG Class 9 ICAO Class/Division 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 ADR transport category 3 Emergency Action Code •3Z Hazard Identification 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

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	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H411 Toxic to aquatic life with long lasting effects.
Other Information	None
Revision Date	July 26, 2016
Reason for revision	Updated and new format SDS
Rev No/Repl, SDS Generated	02

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