



The Soap Kitchen (2011) Ltd
Unit 8, Caddesdown Industrial Park, Clovelly Road,
Bideford, Devon, EX39 3DX, United Kingdom



Email: enquiries@thesoapkitchen.co.uk
Call: +44 (0) 1237 420 872

MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier					
Product Name		Patchouli Oil Dark.			
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					
Suitable for use in Cosmetic, Fragrance, Flavour and Professional use.					
1.3 Details of the supplier of the safety data sheet					
William Hodgson & Company Unit 3 The Dairy Gawsworth Business Court Shellow Lane North Rode Congleton Cheshire CW12 2FQ.					
1.4 Emergency Tel. No.		+ 44 (0) 1260 222 943			

02. HAZARD 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 hazards:	Not classified.
Health hazards:	Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1B- H317, Eye Irrit. 2 H319
Environmental hazards:	Aquatic Chronic 2 - H411
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS08	GHS09
	
Signal Word	Danger.
Contains	alpha-Guaiene, beta-Caryophyllene
Hazard Statements	

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H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents in accordance with local, state or national legislation.

Supplementary Precautionary Statements

P264 Wash hands and exposed skin thoroughly after handling.
P362+P364 Take off contaminated clothing. And wash it before reuse.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

30.0 - 50.0% Patchouli Alcohol
CAS No: 5986-55-0 EC No: 227-807-2
Classification (EC 1272/2008) Aquatic Chronic 2 - H411

10.0 - 25.0% alpha-Guaiene
CAS No: 3691-12-1 EC No: n/a
Classification (EC 1272/2008) Asp. Tox. 1- H304
Skin Irrit. 2- H315
Eye Irrit. 2 - H319

1.0 - 5.0% beta-Caryophyllene
CAS No: 87-44-5 EC No: 201-746-1
Classification (EC 1272/2008) Asp. Tox. 1 - H304
Skin Sens. 1B - H317
Aquatic Chronic 4 -H413

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.
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Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/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 advice/attention. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
Allergic contact dermatitis.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Extinguish with the following media: carbon dioxide, dry chemical, foam. Unsuitable extinguishing media: do not use water jet as an extinguisher, as this may scatter and spread fire.	
5.2 Special hazards arising from the product	
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂), Carbon monoxide (CO), other toxic gases. Containers close to fire should be removed or cooled with water.	
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	
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. Maintain adequate ventilation in the working area after spilling.	
6.2 Environmental Precautions	
Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water.	
6.3 Methods and material for containment and cleaning up.	
Absorb with liquid binding material e.g. sand, diatomaceous earth. Collect in closed and suitable containers for disposal. Prevent any material from entering drains or waterways. Wash spill site after removal with a detergent.	
6.4 Reference to other sections	
See sections 4, 7, 8 & 13.	

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07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapours.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly-closed, original container in a dry, cool and well-ventilated area, away from potential sources of ignition and protected from light.
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 ventilation or respiratory protection.
Respiratory Equipment	Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn
Hand Protection	Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Eye Protection	Avoid contact with eyes. Wear safety goggles in accordance with standard EN166.
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. Good personal hygiene practices are always advisable, especially when working with chemicals.
Personal Protection	Use of chemical resistant clothing is recommended when handling.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drains.

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 powerful woody-balsamic.
Relative Density	Approx. 0.964 @ 20°C

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Flash Point (°C)	> 93.0
Refractive Index	Approx. 1.510 @ 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	
	Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.
10.2 Chemical stability	
	Stable under the recommended handling and storage conditions in section 7.
10.3 Possible hazardous reactions	
	Not expected under normal conditions of use.
10.4 Conditions to Avoid	
	Avoid extreme heat and direct sunlight, sparks or open flame.
10.5 Incompatible materials	
	Strong acids, alkali or oxidising agents.
10.6 Hazardous Decomposition Products	
	Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects.
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 ADR/RID– Class 9 ADR Classification Code – M6 Special provisions – 274 335 375 601 Limited quantities – 5L Expected quantities – E1 Emergency Action Code – •3Z IMDG	

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IMDG – Class 9
 Special Provisions – 274 335 375 601
 Limited quantities – 5L
 Expected quantities – E1
 IMDG EMS – F-A, S-F
 Stowage and Handling – Category A

ICAO/IATA

ICAO/IATA– Class 9
 IATA proper shipping name - ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.
 Expected quantities – E1

Transport Labels



14.4 Packing group

ADR/RID 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

See sections 6 – 8.

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).

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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 Statements in Full	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.
Revision Date	7/11/2019
Rev No	6

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