



Life - Health - Beauty

Certificate of Analysis

PRODUCT DETAILS

Product Name	PATCHOULI OIL	
Product Code	OEPATC	
INCI Name	Pogostemon cablin	
Batch Number	4388712	
Best Before End	February 2023	
Manufacturing Process	Obtained by steam distillation from leaf/twig of Pogostemon cablin.	
Identification	CAS No: 84238-39-1	EINECS No: 282-493-4
	FEMA No: 2838	Alternative Cas:8014-09-3

PHYSICAL AND CHEMICAL CHARACTERISTIC

	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Brown to Dark Brown	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C	0.950 - 0.975	0.972
Refractive Index @ 20°C	1.505 - 1.515	1.51
Solubility in water	Insoluble in water. 1:9 in 90% alcohol	Conforms
Optical Rotation	-48 to -65	-48
Flash Point	>93°C	Conforms

MAIN CONSTITUENTS

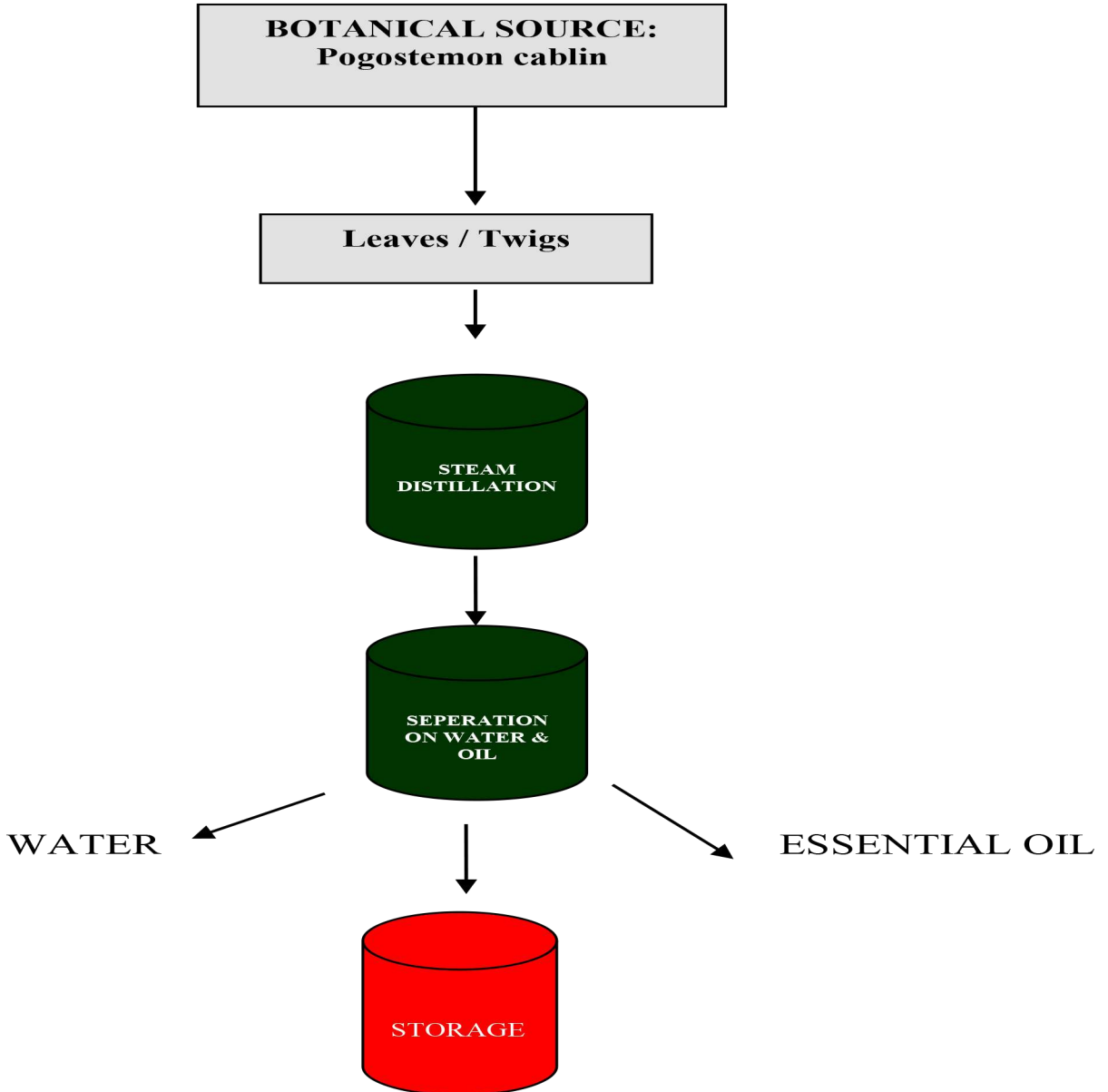
CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS
Patchouli Alcohol 30-60%	30.42%	Alpha Guaiene 10-30%	N/A	B Caryophyllene 1-5%	N/A

STORAGE AND SHELF LIFE

Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.
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**PATCHOULI OIL
FLOW CHART**





SAFETY DATA SHEET PATCHOULI OIL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	PATCHOULI OIL
Product number	OEPATC
Synonyms; trade names	Pogostemon cablin
CAS number	84238-39-1
Alternative Cas Number	8014-09-3
EC number	282-493-4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Fragrance and flavour
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1.3. Details of the supplier of the safety data sheet

Supplier	MADAR Corporation Limited 19-20 Sandheath Industrial Estate Fordingbridge Hampshire SP6 1PA
Approved Sellers	Mystic Moments, New Directions, World of Moulds

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards	Not Classified
Health hazards	Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 2 - H411
Human health	Ingestion of even small quantities may be fatal.
Environmental	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

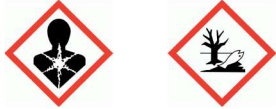
2.2. Label elements

EC number	282-493-4
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PATCHOULI OIL



Pictogram



Signal word

Danger

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.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Patchouli Alcohol	30-60%
CAS number: 5986-55-0	EC number: 227-807-2
Classification	
Not Classified	
Alpha Guaiene	10-30%
CAS number: 3691-12-1	
Classification	
Skin Irrit. 2 - H315 Asp. Tox. 1 - H304	
Beta Caryophyllene	1-5%
CAS number: 87-44-5	
EC number: 201-746-1	
Classification	
Asp. Tox. 1 - H304	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected 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.

PATCHOULI OIL

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**4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media Use as appropriate carbon dioxide (CO₂), 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 substance or mixture

Specific hazards When heated to decomposition, it emits acrid smoke as well as carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Protective actions during firefighting Use water spray / stream to protect personnel and to cool endangered containers.

Special protective equipment for firefighters Wear full protective clothing

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions 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

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for 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

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Usage precautions Avoid contact with skin and eyes. Avoid spilling. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions 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)**SECTION 8: Exposure Controls/personal protection****8.1. Control parameters****8.2. Exposure controls**

PATCHOULI OIL



Protective equipment



Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear protective clothing.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls

Avoid discharging into drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale yellow to yellow
Odour	Characteristic.
Flash point	>93°C
Relative density	0.953 - 0.978 @ 20°C
Solubility(ies)	Insoluble in water. 1:9 in 90 % ethanol @ °C
Optical rotation	-60 to -40 @ °C

9.2. Other information

Refractive index	1.5040 - 1.5150 @ 20c
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Heating causes vaporization and formation of ignitable atmosphere is possible.
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10.3. Possibility of hazardous reactions

Possibility of 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.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Acids. bases Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	When heated to decomposition, it emits acrid smoke, fumes as well as monoxide and carbon dioxide.
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PATCHOULI OIL

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Toxicological effects No information available.

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment. May cause long lasting harmful effects to aquatic life.

12.1. Toxicity**12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: Disposal considerations****13.1. Waste treatment methods**

General information Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information**14.1. UN number**

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class 9

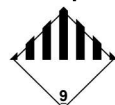
ADR/RID classification code M6

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

Transport labels

PATCHOULI OIL

**14.4. Packing group**

ADR/RID packing group	III
IMDG packing group	III
ADN 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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	CHIP for everyone HSG228.

15.2. Chemical safety assessment**SECTION 16: Other information**

Revision date	31/05/2016
Revision	4
Supersedes date	31/05/2016
Hazard 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.

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Product Specification

PRODUCT DETAILS		
Product Name	PATCHOULI OIL	
Product Code	OEPATC	
INCI Name	Pogostemon cablin	
Country or Origin	Various usually Indonesia	
Tariff Number	3301 2941	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	Yes	
Halal Certified	We hereby declare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products, except sea food, dairy and poultry egg origin. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Manufacturing Process	Obtained by steam distillation from leaf/twig of Pogostemon cablin.	
Identification	CAS No: 84238-39-1	EINECS No: 282-493-4
	FEMA No: 2838	Alternative Cas:8014-09-3
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Pale yellow to yellow	
Odour	Characteristic	
Relative Density @ 20°C	0.953 - 0.978	
Refractive Index @ 20°C	1.5040 - 1.5150	
Solubility in water	Insoluble	
Optical Rotation	-60 to -40°C	
Hydrocarbon content	61%	
FRAGRANCE ALLERGENS		
Cinnamaldehyde (104-55-1) <0.05%	Citral (5392-40-5) <0.02%	Coumarin (91-64-5) <0.1%
Limonene (5989-27-5) <0.05%	Linalool (78-70-6) <0.03%	Eugenol (97-53-0) max 0.10%
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
Cinnamaldehyde (104-55-1) <0.05%	Citral (5392-40-5) <0.02%	Coumarin (91-64-5) <0.1%
Eugenol (97-53-0) max 0.10%		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	12 months unopened and stored as above.	

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Vegan and Vegetarian Statement

IDENTIFICATION

Product:	Patchouli Oil Dark
Cas No:	84238-39 / 8014-09-3
EINECS No:	282-493-4

STATEMENT

We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.

It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.

This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.