



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Patchouli Essential Oil

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

PRODUCT NUMBER: 41

CAS NUMBER: Related 84238-39-1

EC NUMBER: 939-227-3 / Related 282-493-4

INCI: Pogostemon Cablin Oil

IDENTIFIED USES: Concentrated product used in the following products: washing & cleaning products, biocides (e.g. disinfectants, pest control products), air care products, polishes and waxes, perfumes and fragrances and cosmetics and personal care products

BIOLOGICAL DEFINITION: Produced by steam distillation of leaves of Pogostemon Cablin.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: Related 84238-39-1

EC: 939-227-3 / Related 282-493-4

CLASSIFICATION (EC 1272/2008):

- | | |
|--------------------------|--------------------------------|
| - PHYSICAL HAZARDS: | Not classified. |
| - HEALTH HAZARDS: | Asp. Toxicity (Cat. 1): H304 |
| - ENVIRONMENTAL HAZARDS: | Aquatic Chronic (Cat. 2): H411 |

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

None

HAZARD STATEMENTS:

H304: May be fatal if swallowed and enters airways.

H411: Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

P280: Wear protective gloves/clothing/eye-protection/face protection

P261: Avoid breathing vapour/spray

P264: Wash hands thoroughly after handling

P301+P310: If swallowed: immediately call a poison centre or doctor

P302 + P352: If on skin, was with plenty of soap and water

P305 + P351: If in eyes, rinse cautiously with water for several minutes

P331: Do not induce vomiting

P338: Remove contact lenses, if present, and easy to do so, continue rinsing.

P391: Collect Spillage

P233: Keep container tightly closed

P501: Dispose of contents/containers in accordance with local/national regulations

3: COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE:

REACH DESCRIPTION: Reaction mass of 1,4-dimethyl-7-(prop-1-en-2-yl)-1,2,3,4,5,6,7,8-octahydroazulene and 3,8-dimethyl-5-(prop-1-en-2-yl)-1,2,3,3a,4,5,6,7-octahydroazulene and 4,8a, 9,9-tetramethyldecahydro-1,6-methanonaphthalen-1-ol

CHEMICAL IDENTITY OF INGREDIENTS:

23 to 45% Patchouli alcohol	
CAS NUMBER: 5986-55-0	EC NUMBER: 227-807-2
CLASSIFICATION (EC 1272/2008):	Not classified
5 to 25% Alpha-bulnesene	
CAS NUMBER: 3691-11-0	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0.5 to 20% Alpha-guaiene	
CAS NUMBER: 88-84-6	EC NUMBER: 201-860-1,
CLASSIFICATION (EC 1272/2008):	Asp Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319
1 to 14% Seychellene:	
CAS NUMBER: -	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
1 to 10% Alpha-patchoulene	
CAS NUMBER: 560-32-7;	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
1 to 8% Pogostol:	
CAS NUMBER: 21698-41-9:	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
1 to 6% Aciphyllene	
CAS NUMBER: 87745-31-1	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 6% Caryophyllene	
CAS NUMBER: 87-44-5	EC NUMBER: 201-746-1
CLASSIFICATION (EC 1272/2008):	Asp. Tox. 1 H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
0 to 6% Humulene	
CAS NUMBER: 6753-98-6,	EC NUMBER: 229-816-7
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 5% Delta-patchoulene	
CAS NUMBER: 53823-16-8;	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 4% Beta-patchoulene	
CAS NUMBER: 514-51-2	EC NUMBER: 208-182-5
CLASSIFICATION (EC 1272/2008):	Not classified

0 to 3.5% epi-beta Caryophyllene	
CAS NUMBER: 514-51-2	EC NUMBER: 208-182-5;
CLASSIFICATION (EC 1272/2008):	Skin Irrit. 2 H315 Eye Irrit. 2, H319
0 to 3% Nor-patchoulenol	
CAS NUMBER: 41429-52-1	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 3% alpha Copaene	
CAS NUMBER: -	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 2%: Beta-elemene	
CAS NUMBER: 515-13-9	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 2%: Pogostone	
CAS NUMBER: 23800-56-8	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 1.5% Cycloseychellene	
CAS NUMBER: 86562-17-6	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 1% Beta-Selinene	
CAS NUMBER: 17066-67-0	EC NUMBER: -
CLASSIFICATION (EC 1272/2008):	Not classified
0 to 10% Unknown Impurities; likely to be Patchouli Sesquiterpenes.	
Each present at less than 1%.	

4: FIRST AID MEASURES

INHALATION:	Remove to fresh air.
INGESTION:	Do not induce vomiting. Give a glass of water. See a doctor immediately
SKIN CONTACT:	Wash well with water.
EYE CONTACT:	Flush eyes with water for 15 minutes. If irritation persists, see a doctor
GENERAL INFORMATION:	Dependant on the level / type of exposure, small levels can be treated by first aider. Larger contact or if systems persist, seek medical help immediately
NOTES FOR THE DOCTOR:	Use personal protective equipment as described in section 8 if substance is present.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Breathing difficulties.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Use foam, dry powder, carbon dioxide or vaporising liquids.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	May produce fumes of carbon monoxide and carbon dioxide. Moderate explosion hazard when exposed to flame
ADVICE FOR FIREFIGHTERS:	Containers close to fire should be removed or cooled with water Self-contained breathing apparatus and full protective clothing must be worn in case of fire
EMERGENCY ACTION CODE:	3[Y] (Foam + BA & Fire Kit)

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear appropriate protective clothing Shut off all sources of ignition
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains, water courses or onto ground
CLEANING UP METHODS FOR SPILLAGES:	
- SMALL SPILLS:	Wash area with detergent and water.
- LARGE SPILLS:	Contain with earth, sand or similar inert absorbent material and both liquids and solids transferred to salvage containers and arrange disposal by disposal company. Wash spilled area thoroughly with water and detergent.

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Avoid spilling, eye and skin contact Use only in a well-ventilated area. Keep away from heat or flame. Wash area well with hot water and detergent and check for residual vapours with an explosion meter before carrying out maintenance.
STORAGE PRECAUTIONS:	Must be stored and transported in accordance with local regulations for hazardous liquids. Store in tightly closed container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:	Use only in well-ventilated area
EYE/FACE PROTECTION:	Use safety goggles.
HAND PROTECTION:	See below.
OTHER SKIN AND BODY PROTECTION:	Use chemical resistant gloves.
HYGIENE MEASURES:	Wash hands after use.
RESPIRATORY PROTECTION:	None required when used in well-ventilated area. Use approved half face respirator if using undiluted in confined spaces.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear mobile liquid
COLOUR:	Light to brown red-brown
ODOUR:	Characteristic woody, earthy
FLASH POINT °C (PENSKY MARTENS METHOD):	114
SPECIFIC GRAVITY @ 25°C:	0.945 to 0.975
REFRACTIVE INDEX @ 25°C:	1.510 to 1.515
SOLUBILITY:	Not soluble in water. Soluble in alcohol.

10: STABILITY AND REACTIVITY

REACTIVITY:	No data available.
CHEMICAL STABILITY:	Product is stable under normal temperature conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerisation does not occur
CONDITIONS TO AVOID:	Keep away from heat or flame. Use only in a well-ventilated area.
INCOMPATIBLE MATERIALS:	Oxidising Agents, strong acids, strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	May produce carbon monoxide and carbon dioxide upon decomposition

11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS (HISTORICAL DATA):

SWALLOWED:	Rat (M/F) LD50 4380 mg/kg – interpretation: low
EYE:	Potential irritant.
INHALATION:	Potential irritant
SKIN:	Acute dermal LD50 in rabbits > 2500 mg/kg – interpretation: low
SKIN IRRITATION:	Potential irritant
SKIN SENSITIVITY:	Contains allergens.
MUTAGENICITY:	Not determined.

12: ECOLOGICAL INFORMATION

FISH TOXICITY:	Toxicity by Daphnia (LC50): 26.40 mg/l/48 hour Interpretation – moderate
PERSISTENCE AND DEGRADABILITY:	Regarded as readily biodegradable.
BIOACCUMULATIVE POTENTIAL:	Not determined
MOBILITY IN SOIL:	Not determined
RESULTS OF PBT AND vPVB ASSESSMENT:	Not determined
OTHER ADVERSE EFFECTS:	Not established.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Regulations for Disposal generally vary according to location. Contact local waste disposal authority for advice or pass to a chemical disposal company. Ensure compliance with local, state and federal regulations

SPECIAL PRECAUTIONS FOR LANDFILL AND INCINERATION:

Waste is suitable for incineration.

14: TRANSPORT INFORMATION

UN No.:

3082

PROPER SHIPPING NAME:

Environmentally Hazardous Liquid (N.O.S)

TRANSPORT HAZARD CLASS(ES):

9



PACKING GROUP:

III

ENVIRONMENTAL HAZARDS:

Environmentally Hazardous Liquid, Marine Pollutant



SPECIAL PRECAUTIONS FOR USER:

Dangerous Goods Note

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:

Safety Data sheet does not cover transport in bulk (containers all below 220L)

15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)
Classification and Labelling of Substances and Preparations
Dangerous for supply

16: OTHER INFORMATION

PACKAGING:

TYPE

GLASS

STEEL

ALUMINIUM

F/HDPE

STAINLESS STEEL DRUM

SUITABILITY

Yes

Yes

Yes

Yes

Yes

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Shelf life is 60 months when stored within advised conditions, re-test every 12 months thereafter for a possible further 36 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.