



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Patchouli Oil - Organic
CAS #: 8014-09-3
SUPPLIER NAME: Jedwards International, Inc.
SUPPLIER ADDRESS: 141 Campanelli Drive
Braintree, MA 02184 USA
TELEPHONE NUMBER: (617) 472-9300
RECOMMENDED USE: For manufacturing and repackaging use only
EMERGENCY TELEPHONE NUMBER: Chemtrec 1-800-424-9300 (24 hrs)

02. HAZARD IDENTIFICATION

S-26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-36: Wear suitable protective clothing

CLASSIFICATION ACCORDING TO REGULATION EC NO 1272/2008:

There is no hazardous chemical in Patchouli oil. Combustible liquid (flash point 190°F/87.87°C)
Hazardous in cases of skin contact irritants, and eye contact irritants.

ACUTE ORAL TOXICITY (LD50): >5.00mg/kg Rat
ACUTE DERMAL TOXICITY (LD50): >5.00mg/kg Rabbit
INHALATION TOXICITY (LC50): Not determined

Environmental mishandling that can contaminate with soil, ground, and surface water.

03. COMPOSITION/INFORMATION ON INGREDIENTS

MAJOR CHEMICAL:
ALPHA-GUAIENE: 16% - 20%
ALPHA-BULUESENE: 19% - 23%
PATCHOULI ALCOHOL: 22% - 27%

04. FIRST AID MEASURES

EYE CONTACT: Flush immediately with water for at least 15 min. Get medical treatment.
SKIN CONTACT: Wash thoroughly with soap and water.
INHALATION: Remove from exposure site to fresh air, if unable to access fresh air, artificial air should be given or consult a doctor.
INGESTION: Rinse mouth with water and consult a doctor.

05. FIRE FIGHTING MEASURES

FLAMMABILITY OF PRODUCT: Medium combustibility in room temperature
FLASH POINT: 87.87°C



PRODUCT OF COMBUSTION:

In open area carbon dioxide and water. Under limit factor may produce carbon monoxide.

EXTINGUISHING MEDIA:

Carbon Dioxide, Dry Chemical, Foam. Do not use direct water jet on burning materials.

SPECIAL PROTECTIVE ACTION FOR FIRE FIGHTERS:

Try to keep container walls cool with water spray.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION:

First remove ignition source.

CONTACT WITH SKIN, EYES, AND INHALATION:

Use protective equipment for eyes, nose, mouth and hands.

ENVIRONMENTAL PRECAUTIONS:

Do not allow to drain into surface, ground water, and soil.

METHOD AND MATERIAL FOR CONTAINMENT AND CLEANUP:

Provide adequate ventilation to avoid excess inhalation of vapor. Spillage should be cleaned immediately by use of sand or inert powder and kept without contaminating the environment.

07. HANDLING & STORAGE

HANDLING:

Apply good manufacturing and industrial hygiene practices. Use proper equipment. Do not eat or drink while handling.

STORAGE:

Store in a cool dry and ventilated area away from heat sources, protected from light, and under a nitrogen surface.

FIRE PROTECTION:

Keep away from ignition source and flame.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETER:

Keep in cool condition. Higher moisture level of skin means less permeable.

APPROPRIATE ENGINEERING:

Provide exhaust ventilation and other engineering control to keep the air borne concentration of weeper below their respective threshold value limit. Ensure that eye wash stations and safety showers are proximal to the work station location.

INDIVIDUAL PROTECTION:

Personal protective equipment. General protective and hygienic measures. Do not eat, drink, smoke, or sniff while working. Keep away from food stuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before break and at the end of work and avoid contact with eyes and skin.

RESPIRATORY PROTECTION:

Use suitable respiratory protective device only when vapors are generated.

PROTECTION OF HANDS:

Protective gloves.



The glove material has to be impermeable and resistant to the product. Due to missing test no recommendation to the glove material can be given for the product. Select glove material with consideration of penetration time, rate of the diffusion, and degradation.

EYE PROTECTION:



Tightly sealed goggles.

BODY PROTECTION:



Protective work clothing.

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:

Yellow to Golden Brown

ODOR:

Specific Patchouli

ODOR THRESHOLD:

Not available

PH:

Not applicable

MELTING POINTS/FREEZING POINTS:

Not available

INITIAL BOILING POINT AND BOIL RANGE:

287°C

FLASH POINT:

87.87°C

EVAPORATION RATE:

Not available

UPPER FLAMMABILITY OR EXPLOSIVE LIMIT:

Not available

VAPOR PRESSURE:

Not available



VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	.95000-.97500
SOLUBILITY:	Insoluble in cool water, hot water, ethanol
PARTITION COEFFICIENT: N/OCTANOL/WATER:	Not available
AUTO/IGNITION:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

10. STABILITY & REACTIVITY DATA

REACTIVITY:	Presents no significant reactivity hazard by itself or in contact with water.
CHEMICAL STABILITY:	The product is stable.
POSSIBILITY OF HAZARDED REACTION:	Oxidizing agent, acid alkali, light and air conditions to avoid under nitrogen surface.
INCOMPATIBLE MATERIAL:	Polythene.
HAZARDOUS DECOMPOSITION PRODUCT:	Carbon monoxide may be performing during combustion.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:	
INHALATION:	Cooling system is not functioning properly during processing.
SKIN:	Low moisture content on the skin.
INGESTION:	Hands are not properly washed before and after processing.
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS:	
DELAYED, IMMEDIATE, AND CHRONIC EFFECT FROM SHORT TERM AND LONG TERM EXPOSURE:	Irritating to the eye, may sensitize by skin contact.
IMMEDIATE EFFECT:	Burning sensation.
DELAYED EFFECT:	Not available.
NUMERICAL MEASURES OF TOXICITY:	
ACUTE ORAL TOXICITY (LD50):	>5.00mg/kg rat
ACUTE DERMAL TOXICITY (LD50):	>5.00mg/kg rabbit
INHALATION TOXICITY (LC50):	Not determined

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	
AQUATIC TOXICITY:	Quantitative data on the ecological effects of this product are not available.
REMARKS:	Do not allow to enter water, waste water, or soil. Toxic to aquatic organisms.
PERSISTENCE AND DEGRADABILITY:	Sensitivity to air, light, oxidizing agent, acid and alkali, however long term degradation of product may arise.
BIO ACCUMULATIVE PRETENTION:	This product is unlikely to accumulate in the environment.
MOBILITY IN SOIL:	Some little portion dissolves in the water and moves.
OTHER ADVERSE EFFECTS:	Not available



13. DISPOSAL CONSIDERATIONS

Waste must be disposed according to local regulation, avoid disposing in to the environment.

14. TRANSPORT INFORMATION

UN NUMBER:	UN 3082
UN PROPER SHIPPING NAME:	Environmentally Hazardous Substance, liquid, N.O.S
PACKING GROUP:	III

15. REGULATORY INFORMATION

HAZARD SYMBOL:	
XI:	Irritating to the eye.
RISK PHRASES:	
R-36/38:	Irritating to skin and eyes.
SAFETY PHRASES:	
S-02:	Keep out of the reach of children.
S-24/25:	Avoid contact with skin and eyes.
S-26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-36:	Wear suitable protective clothing.

16. OTHER INFORMATION

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for safe use, which may vary depending on the nature of the intended use. Keep away from children and pregnant women.

Not for ingestion.
Not for use in food applications.

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.