



SAFETY DATA SHEET (SDS)

Prepared in accordance with Regulation (EC) No. 1907/2006, Regulation (EC) No. 1272/2008 and the Globally Harmonized System.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

1.1 Product identification

Product Name: Co-distilled Vetiver & Patchouli Oil

Trade Name: Vetiver Crème

CAS Number: 8016-96-4

Material Type: Natural aromatic oil mixture/co-distilled essential oil

Principal Botanical Materials: Vetiver Oil and Patchouli Oil

Recommended Use: Raw material for the manufacture of fragrances

Note: CAS 8016-96-4 identifies Vetiver Oil. The original manufacturer's SDS treats Vetiver Crème as an aromatic mixture and does not assign one CAS number to the complete mixture.

1.2 Relevant identified uses

- Fine fragrance and perfumery
- Cosmetic fragrance formulations
- Soap and personal-care fragrance
- Professional aromatic compounding

Uses Advised Against: Internal consumption and undiluted application to the skin.

1.3 Supplier details

Supplier:

G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification

- Skin Irritation, Category 2
- Eye Irritation, Category 2A
- Skin Sensitisation, Category 1
- Aspiration Hazard, Category 1



- Hazardous to the Aquatic Environment, Acute Category 2
- Hazardous to the Aquatic Environment, Chronic Category 2

2.2 Label elements

Signal Word: DANGER

Hazard Pictograms:

- GHS07 – Exclamation Mark
- GHS08 – Health Hazard
- GHS09 – Environment

Hazard Statements:

- 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.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long-lasting effects.

Precautionary Statements:

- P261: Avoid breathing dust, fumes, gas, mist, vapours or spray.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, protective clothing and eye/face protection.
- P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: If skin irritation or rash occurs, get medical advice.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists, get medical advice.
- P391: Collect spillage.
- P405: Store locked up.
- P501: Dispose of contents and container in accordance with local regulations.

2.3 Hazardous components

The substances principally responsible for the identified health and environmental hazards are:

- Vetiver Oil
- Patchouli Oil

2.4 Other hazards



No additional hazards were reported in the original manufacturer's SDS. Spilled material may produce slippery surfaces.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable. The product is an aromatic mixture.

3.2 Mixture composition

Description: Mixture/co-distillate of natural aromatic substances.

Chemical Name	CAS Number	EC Number	Concentration
Vetiver Oil	84238-29-9 / 8016-96-4	282-490-8	≥50%
Patchouli Oil	84238-39-1 / 8014-09-3	282-493-4	≥10% to <25%
Other naturally occurring aromatic constituents	Proprietary/naturally variable	Not assigned	Balance

Vetiver Oil Classification:

- Skin Irritation, Category 2 – H315
- Eye Irritation, Category 2A – H319
- Skin Sensitisation, Category 1 – H317
- Aquatic Acute, Category 2 – H401
- Aquatic Chronic, Category 2 – H411

Patchouli Oil Classification:

- Mild Skin Irritation, Category 3 – H316
- Skin Sensitisation, Category 1B – H317
- Aspiration Hazard, Category 1 – H304
- Aquatic Acute, Category 2 – H401
- Aquatic Chronic, Category 2 – H411

As a natural aromatic preparation, the exact composition may vary between batches.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

Ingestion:



Rinse the mouth with water. Keep the affected person at rest. Do not induce vomiting. Obtain immediate medical advice because of the aspiration hazard.

Eye Contact:

Immediately rinse with plenty of clean water for at least 15 minutes. Remove contact lenses when present and easy to do. Continue rinsing and obtain medical advice.

Inhalation:

Move the affected person to fresh air and keep at rest. Seek immediate medical advice if symptoms occur or persist.

Skin Contact:

Immediately remove contaminated clothing. Wash the affected skin thoroughly with soap and water. Seek medical attention if irritation or allergic symptoms persist.

4.2 Most important symptoms and effects

Possible symptoms include:

- Skin irritation
- Redness or allergic skin rash
- Eye redness, pain or watering
- Respiratory discomfort following concentrated exposure
- Chemical pneumonitis if swallowed and aspirated into the lungs

4.3 Immediate medical attention

Treat symptomatically. Do not induce vomiting following ingestion.

SECTION 5: FIREFIGHTING MEASURES**5.1 Suitable extinguishing media**

- Water spray
- Carbon dioxide
- Dry chemical powder
- Appropriate firefighting foam

5.2 Unsuitable extinguishing media

Do not use a direct or full water jet because it may spread the burning material.

5.3 Special hazards



The material may emit toxic fumes, carbon monoxide and unidentified organic compounds under fire conditions.

High temperatures may cause pressure to develop inside closed containers.

5.4 Advice for firefighters

Avoid inhaling combustion vapours. Wear self-contained breathing apparatus and suitable protective clothing.

Cool exposed containers using water spray. Prevent contaminated firefighting water from entering drains or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

- Evacuate the surrounding area if necessary.
- Ensure adequate ventilation.
- Keep unnecessary and unprotected personnel away.
- Avoid breathing vapour or spray.
- Avoid skin and eye contact.
- Wear protective gloves and eye protection.
- Remove ignition sources.

6.2 Environmental precautions

Do not discharge into drains, surface water, groundwater or soil.

6.3 Containment and cleanup

Cover the spill with an inert, inorganic and non-combustible absorbent material such as:

- Dry lime
- Sand
- Soda ash
- Vermiculite
- Universal chemical absorbent

Collect the absorbed material using non-sparking tools and place it in covered waste containers. Transfer the containers to a suitable outdoor or ventilated storage area pending disposal.

Ventilate the affected area and wash the spill site after the material has been collected.

6.4 References



Refer to Section 8 for personal protection and Section 13 for disposal requirements.

SECTION 7: HANDLING AND STORAGE

7.1 Safe handling

- Do not store or handle near food or drinking water.
- Do not smoke while handling.
- Avoid contact with the eyes, skin and clothing.
- Avoid breathing concentrated vapour.
- Wear protective clothing, gloves and safety glasses.
- Follow good occupational hygiene practices.
- Keep in the original container or a container manufactured from a compatible material.

7.2 Safe storage

Store in tightly closed and preferably full containers in a cool, dry and well-ventilated area.

Protect from:

- Direct light
- Excessive heat
- Hot surfaces
- Sparks
- Open flames
- Static discharge
- Strong acids
- Strong alkalis
- Oxidising agents

7.3 Specific end uses

Raw material for professional fragrance and cosmetic formulation.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limits are known for the complete mixture.

8.2 Engineering controls

Provide adequate ventilation according to the conditions of use. Use local mechanical exhaust ventilation where concentrated vapours or sprays may be generated.



Measures should be taken to prevent the material from splashing onto the body.

8.3 Personal protective equipment

Eye/Face Protection:

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Hand Protection:

Wear chemical-resistant gloves, preferably nitrile gloves. Wash or replace contaminated gloves before reuse.

Body Protection:

Select protective clothing according to the activity being performed and the degree of exposure.

Respiratory Protection:

Where ventilation is insufficient, use respiratory protection suitable for organic vapours.

Environmental Exposure Controls:

Check emissions from ventilation and process equipment to ensure compliance with environmental-protection requirements. Filters or engineering modifications may be required to reduce emissions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Liquid
Colour	Conforms to standard
Odour	Conforms to standard
Odour Threshold	Not determined
pH	Not determined
Melting/Freezing Point	Not determined
Boiling Point/Range	Not determined
Flash Point	110 °C
Evaporation Rate	Not determined
Flammability	Not determined
Lower Explosive Limit	Not determined
Upper Explosive Limit	Not determined
Vapour Pressure	Not determined



Property	Specification
Vapour Density	Not determined
Density at 20 °C	0.99–1.01 g/mL
Relative Density at 20 °C	0.99–1.01
Water Solubility	Insoluble
Solubility in Ethanol	Soluble
Partition Coefficient	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
Dynamic Viscosity	Not determined
Kinematic Viscosity	Not determined
Explosive Properties	Not determined
Oxidising Properties	None expected

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are expected when the material is stored and handled as prescribed.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Hazardous reactions

No hazardous reactions are expected under normal conditions.

10.4 Conditions to avoid

Avoid excessive heat, flames, sparks, hot surfaces and other ignition sources.

10.5 Incompatible materials

Avoid contact with:

- Strong acids
- Strong bases
- Oxidising agents

10.6 Hazardous decomposition products

Combustion may produce carbon monoxide and unidentified organic compounds.



SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Endpoint	Assessment
Acute Toxicity	Classification criteria are not met based on available data
Skin Corrosion/Irritation	Causes skin irritation
Serious Eye Damage/Irritation	Causes serious eye irritation
Respiratory Sensitisation	Classification criteria are not met based on available data
Skin Sensitisation	May cause an allergic skin reaction
Germ-Cell Mutagenicity	Classification criteria are not met based on available data
Carcinogenicity	Classification criteria are not met based on available data
Reproductive Toxicity	Classification criteria are not met based on available data
STOT – Single Exposure	Classification criteria are not met based on available data
STOT – Repeated Exposure	Classification criteria are not met based on available data
Aspiration Hazard	May be fatal if swallowed and enters airways

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long-lasting effects.

Specific experimental or calculated product data are not available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

Do not allow the material to enter wastewater, drains, soil or waterways.

Refer to Sections 6, 7, 13 and 15 for environmental precautions.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment

Dispose of the material through an authorised waste-disposal facility in accordance with national and local environmental regulations.

Do not discharge into drains or waterways.



Empty containers may retain hazardous residues and should be cleaned, recycled or disposed of through an approved facility.

SECTION 14: TRANSPORT INFORMATION

Transport Information	ADR/RID/ADN	IMDG	IATA/ICAO
UN Number	UN 3082	UN 3082	UN 3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name	Patchouli Oil	Patchouli Oil	Patchouli Oil
Transport Hazard Class	9	9	9
Packing Group	III	III	III
Environmental Hazard	Yes	Yes	Yes
Marine Pollutant	Not applicable	Yes	Not applicable

14.6 Special precautions

No additional precautions reported. Transport containers must be tightly closed, correctly labelled and protected from damage.

14.7 Maritime transport in bulk

No information available. The product is not intended for bulk maritime transport under IMO instruments.

SECTION 15: REGULATORY INFORMATION

15.1 Applicable safety, health and environmental regulations

No specific regulatory information was provided in the original manufacturer's SDS.

The material should be handled in accordance with:

- Globally Harmonized System of Classification and Labelling of Chemicals
- Regulation (EC) No. 1907/2006 – REACH
- Regulation (EC) No. 1272/2008 – CLP
- Regulation (EC) No. 1223/2009 – EU Cosmetic Regulation
- Applicable IFRA Standards
- Applicable UAE chemical, occupational-safety, transport and environmental regulations

A finished-product safety assessment must be completed before cosmetic or consumer use.



SECTION 16: OTHER INFORMATION

16.1 Full hazard statements

- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H316: Causes mild skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long-lasting effects.

The information describes the safety requirements of the material and does not constitute a guarantee of its properties. Users remain responsible for compliance with applicable legislation and for determining the suitability and safety of the material in their finished products.

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