



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1 – IDENTIFICATION

Product Name: Vetiver Terpenes

Botanical Name: *Chrysopogon zizanioides* (L.) Roberty

Synonym: *Vetiveria zizanioides*

INCI Name: Vetiveria Zizanioides Root Oil (Terpene Fraction)

CAS Number: 8016-96-4

EC Number: 282-490-8

Product Type: Natural Essential Oil Fraction (Terpene Fraction)

Plant Part: Roots

Extraction Method: Fractionation of Steam Distilled Essential Oil

Origin: Haiti

Recommended Use: Professional Perfumery Raw Material

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com
Email: info@aromology.com
Telephone: +971 505197601

SECTION 2 – HAZARD IDENTIFICATION



GHS Classification

- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Skin Sensitisation – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 2

Signal Word

Warning

Hazard Statements

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 vapours or mists.
- P264 Wash thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- 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.
- P337 + P313 If eye irritation persists: Get medical advice.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Vetiver Terpenes
Botanical Name	<i>Chrysopogon zizanioides</i>
CAS Number	8016-96-4
EC Number	282-490-8
Purity	Natural Terpene Fraction



Component	Information
Extraction Method	Fractionation of Steam Distilled Vetiver Oil

Major Naturally Occurring Constituents

- Khusimene
- Vetivenes
- β -Humulene
- Valencene
- Sesquiterpene hydrocarbons
- Minor oxygenated sesquiterpenes

SECTION 4 – FIRST AID MEASURES

Inhalation

Move exposed person to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical advice if irritation or sensitisation develops.

Eye Contact

Flush immediately with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Do NOT induce vomiting.

Seek immediate medical advice.

SECTION 5 – FIRE FIGHTING MEASURES



Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical
- Alcohol-resistant foam
- Water mist

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Smoke
- Irritating organic vapours

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable personal protective equipment.

Prevent entry into drains and waterways.

Absorb with sand, vermiculite or inert absorbent.

Collect into suitable waste containers.

Clean contaminated surfaces thoroughly.

SECTION 7 – HANDLING AND STORAGE

Use only in well-ventilated areas.

Avoid prolonged contact with skin and eyes.

Keep containers tightly closed.

Protect from heat, sunlight and oxidising agents.



Recommended Storage Temperature: 15–25 °C

Store in amber glass or lacquer-lined aluminium containers.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Adequate ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical-resistant nitrile gloves.

Respiratory Protection

Normally not required under recommended conditions.

Skin Protection

Protective laboratory clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Mobile liquid
Colour	Pale Yellow to Amber
Odour	Fresh woody, dry, earthy, grapefruit-like, terpene-rich vetiver
Relative Density (20 °C)	0.930–0.980
Refractive Index (20 °C)	1.495–1.515
Flash Point	>85 °C
Solubility	Insoluble in water
Solubility in Alcohol	Soluble

SECTION 10 – STABILITY AND REACTIVITY



Stable under recommended storage conditions.

Avoid

- Strong oxidising agents
- Heat
- Open flames
- Prolonged exposure to air

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Smoke

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Skin

May cause skin irritation.

May cause allergic skin reaction.

Eyes

May cause serious eye irritation.

Inhalation

High vapour concentrations may irritate the respiratory tract.

Carcinogenicity

Not classified.

Mutagenicity



Not classified.

Reproductive Toxicity

Not classified.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.

May bioaccumulate due to its terpene content.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose through an authorised waste contractor.

Do not discharge into drains.

Dispose according to local and national environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Vetiver Terpene Fraction)
ADR/RID	Class 9
IMDG	Class 9
IATA	Class 9
Packing Group	III

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:



- GHS Revision 9
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
 - Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EU) 2020/878
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SECTION 16 – OTHER INFORMATION

Vetiver Terpenes (Haiti) is a natural fraction obtained by the controlled fractionation of Haitian vetiver essential oil. This terpene-rich fraction highlights the lighter, fresher and more diffusive woody facets of vetiver while reducing the heavier oxygenated constituents. It is widely used by perfumers to impart fresh woody, dry earthy, grapefruit-like and elegant natural nuances in modern woody, citrus, fougère and masculine fragrance compositions.

This product is intended exclusively for professional fragrance formulation and research applications.

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