



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 Essential Oil

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

INCI Name: Vetiveria Zizanioides Root Oil

CAS Number: 8016-96-4

Alternate CAS Number: 84238-29-9

EC Number: 282-490-8

Product Type: Natural Essential Oil (Steam Distilled)

Plant Part: Roots

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
- Serious 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 according to local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Vetiver Essential Oil (Haiti)
Botanical Name	<i>Chrysopogon zizanioides</i>
CAS Number	8016-96-4
EC Number	282-490-8
Purity	100% Natural Essential Oil
Extraction Method	Steam Distillation



Major Naturally Occurring Constituents

- Khusimol
- α -Vetivone
- β -Vetivone
- Vetiselinol
- Khusimene
- Vetivenes
- Vetivenyl Vetivenate
- β -Humulene
- Valencene

Vetiver oil contains over 150 naturally occurring sesquiterpenes and oxygenated sesquiterpenes responsible for its characteristic woody aroma.

SECTION 4 – FIRST AID MEASURES

Inhalation

Move exposed person to fresh air.

Seek medical advice 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

Rinse mouth.

Do NOT induce vomiting.



Seek immediate medical advice if unwell.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
 - Carbon dioxide
 - Irritating smoke and organic vapours.
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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable personal protective equipment.

Prevent entry into drains and waterways.

Absorb with sand, vermiculite or inert absorbent.

Transfer to suitable waste containers.

Clean contaminated surfaces thoroughly.

SECTION 7 – HANDLING AND STORAGE

Use in well-ventilated areas.

Avoid prolonged contact with skin and eyes.



Keep containers tightly closed.

Protect from heat, direct 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	Viscous liquid
Colour	Amber Brown to Dark Brown
Odour	Sweet, woody, earthy, rooty, slightly smoky with grapefruit nuances
Relative Density (20 °C)	0.983–1.005



Property	Specification
Flash Point	>93 °C
Boiling Point	Approximately 276 °C
Auto-Ignition Temperature	Approximately 300 °C
Solubility	Insoluble in water
Solubility in Alcohol	Soluble

Haitian Vetiver is distinguished from Java Vetiver by its cleaner, fresher woody profile with subtle citrus-grapefruit facets and exceptional smoothness.

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
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SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Skin



Causes skin irritation.

May cause allergic skin reaction.

Eyes

Causes serious eye irritation.

Acute Toxicity

Oral LD₅₀ (Rat): >5000 mg/kg

Dermal LD₅₀ (Rabbit): >5000 mg/kg

Carcinogenicity

Not classified.

Mutagenicity

Not classified.

Reproductive Toxicity

Not classified.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled environmental release.

Persistence and bioaccumulation data are limited.

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	Not Regulated (some supplier SDSs)
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

Transport classification may vary depending on jurisdiction and shipment size; consult the applicable carrier requirements before shipment.

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 Essential Oil (Haiti) is obtained by steam distillation of the roots of *Chrysopogon zizanioides* cultivated in Haiti. Haitian Vetiver is regarded as one of the finest perfumery grades due to its exceptionally smooth woody-earthly profile, elegant grapefruit freshness, subtle nutty undertones and outstanding fixative properties. It is widely used in luxury woody, chypre, amber, leather, tobacco and oriental fragrances.

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