



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 EO Reserve

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

INCI Name: Vetiveria Zizanioides Root Oil

CAS Number: 8016-96-4

EC Number: 282-490-8

Product Type: Natural Essential Oil (Steam Distilled)

Plant Part: Roots

Origin: Madagascar

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 2



- 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.
- 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 EO Reserve – Madagascar
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
- Isovalencenol
- Vetivenes
- Khusimene
- β -Humulene
- Vetivenyl Vetivenate

Vetiver oil contains more than 150 naturally occurring sesquiterpenes and oxygenated sesquiterpenes responsible for its characteristic woody profile.

SECTION 4 – FIRST AID MEASURES

Inhalation

Move the exposed person to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash immediately with soap and plenty of water.

Remove contaminated clothing.

Seek medical advice if irritation or sensitisation develops.

Eye Contact

Flush cautiously with clean water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth.

Do not induce vomiting.

Seek immediate medical attention if unwell.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
 - Carbon dioxide
 - Smoke
 - Irritating organic vapours
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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable PPE.

Prevent release into drains or waterways.

Absorb using inert material such as sand or vermiculite.

Collect into suitable disposal containers.

Wash contaminated surfaces thoroughly.

SECTION 7 – HANDLING AND STORAGE

Use only in well-ventilated areas.

Avoid prolonged contact with skin.



Keep container tightly closed.

Protect from light and excessive heat.

Recommended storage temperature:

5–25 °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 clothing recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Mobile liquid
Colour	Light Brown to Dark Brown
Odour	Rich woody, smoky, earthy, dry, rooty, balsamic
Relative Density (20 °C)	0.990–1.020
Refractive Index (20 °C)	1.520–1.535



Property		Specification
Flash Point	>100 °C	
Solubility	Insoluble in water	
Solubility in Alcohol	Soluble	

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid

- Strong oxidising agents
- Heat
- Flames
- Direct sunlight

Hazardous Decomposition Products

- Carbon monoxide
 - Carbon dioxide
 - Smoke
-

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.



Inhalation

May cause mild respiratory irritation at high vapour concentrations.

Carcinogenicity

Not classified.

Mutagenicity

Not classified.

Reproductive Toxicity

Not classified.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic life with long-lasting effects.

Avoid uncontrolled release into the environment.

Expected to be biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose through an authorised waste contractor.

Do not discharge into drains.

Dispose according to national and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation		Status
UN Number	UN3082	
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Vetiver Oil)	
ADR/RID	Class 9	



Regulation		Status
IMDG	Class 9	
IATA	Class 9	
Packing Group	III	

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

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

Vetiver EO Reserve – Madagascar is a premium steam-distilled essential oil obtained from the mature roots of *Chrysopogon zizanioides* cultivated in Madagascar. Compared with many other origins, Madagascan vetiver is prized for its exceptionally smooth, elegant woody profile with rich smoky, earthy, amber and balsamic nuances. It is widely used as a premium base note and natural fixative in fine fragrance, woody, chypre, leather, tobacco and oriental compositions.

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

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