

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Vetiver Organic Essential Oil
Botanical name	:	Vetiveria zizanioides
INCI name	:	Vetiveria Zizanioides Root Oil
CAS #	:	8016-96-4
Country of Origin	:	Madagascar
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Skin Sensitization - Category 1

Skin Irritation - Category 2

Eye Irritation - Category 2

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long-lasting effects

Precautionary statement(s)

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water/
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to ...

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Vetiverol	89-88-3	201-949-5	10.001 - 20.00 %
Isoeugenol	97-54-1	-	0.101- 1.00 %
Alpha cedrene	469-61-4	207-418-4	0.101 - 1.00 %

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Rinse mouth with water and consult a physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon Dioxide, Dry Chemical, Foam.

Unsuitable extinguishing media

Do not use direct water jet on burning materials.

Special protective equipment and precautions for fire-fighters

Use water spray or fog for cooling exposed containers.

Resulting gases

Carbon oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Avoid ignition sources. Use of respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a cool dry well ventilated area away from any heat and light sources.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Orange brown viscous liquid
Odor	:	Woody/Smoky, dry
Flash point	:	119°C
Vapor pressure	:	0.0152 Pa
Relative density	:	1.000 - 1.020 @ 20°C
Solubility (ies)	:	Insoluble in cool water, hot water and ethanol.
Partition coefficient	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Refractive index	:	1.5210 - 1.5310 @ 20°C

10. STABILITY AND REACTIVITY

Reactivity

Presents no significant reactivity hazard with or without water.

Chemical stability

The product is chemically stable.

Conditions to avoid

Heat sources.

Incompatible materials

Oxidizing agents.

Hazardous decomposition products

Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity (LD50) >5000.00 mg/Kg Rat.

Acute dermal toxicity (LD50) > 5000mg/Kg Rabbit.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat.

Skin contact

Repeated or prolonged contact can cause redness and skin irritation.

Eye contact

May irritate eyes.

Ingestion

Low order toxicity causing irritation of the stomach.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long term effects.

Persistence and degradability

long term degradation product may arise.

Bio - accumulative potential

Product is unlikely to accumulate in the environment.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

3082

US DOT Shipping Description (Land)

3082

IMO-IMDG Shipping Description (Sea)

3082

IATA Shipping Description (Air)

3082

15. REGULATORY INFORMATION

GHS Hazard Statements

Refer to Section 2.

GHS Precautionary Statements

Refer to Section 2.

16. OTHER INFORMATION

Revision date : March 15, 2023

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario, Canada.