

**1. PRODUCT AND COMPANY IDENTIFICATION**

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Product name	:	Vetiver Organic Essential Oil
Botanical name	:	Vetiveria zizanioides
INCI name	:	Vetiveria Zizanioides Root Oil
CAS #	:	8016-96-4
Country of Origin	:	India
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

**GHS Label elements, including precautionary statements**

Signal: Warning

**Hazard statement(s)**

H317 May cause an allergic skin reaction.

**Precautionary statement(s)**

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P321 Specific treatment (see section 4 on this label).

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container according to local regulations.

**3. COMPOSITION / INFORMATION INGREDIENTS**

Product Name	CAS NO	EC NO	Concentration
Beta-Vetivenene	-	-	2 - 6 %
Khusimol	-	-	7 - 20 %
Beta-Vetivone	-	-	0.09 - 0.5 %
Iso-Valencenol	-	-	0.10 - 0.60 %
Zizanoic Acid	-	-	0.08 - 1 %
$\alpha$ -Vativon	-	-	0.08 - 0.2 %

#### 4. FIRST AID MEASURES

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##### 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

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##### 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

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##### 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

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##### 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

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### 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

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Appearance	:	Light brown to dark brown
Odor	:	Sweet woody odor.
Flash point	:	119 °C
Vapor pressure	:	0.352 Pa
Relative density	:	0.9800 - 1.000
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	:	1.5200 - 1.5300

## 10. STABILITY AND REACTIVITY

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### 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

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### 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**

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**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**

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

**14. TRANSPORT INFORMATION**

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**UN Number**

Not regulated.

**US DOT Shipping Description (Land)**

Not regulated.

**IMO-IMDG Shipping Description (Sea)**

Not regulated.

**IATA Shipping Description (Air)**

Not regulated.

**15. REGULATORY INFORMATION**

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**GHS Hazard Statements**

Refer to Section 2.

**GHS Precautionary Statements**

Refer to Section 2.

**16. OTHER INFORMATION**

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## Disclaimer & Caution

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