

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Vetiver Essential Oil
Botanical name	:	Vetiveria zizanoides
INCI name	:	Vetiveria Zizanoides Root Oil
CAS #	:	84238-29-9
Country of Origin	:	Indonesia
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 Corrosion/Irritation - Category 3

Skin Sensitization-Category 1

Eye Damage/Irritation -Category 2

Hazardous to the Aquatic Environment Long Term -Category 2

### GHS Label elements, including precautionary statements

Signal: Warning

### Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long-lasting effects

### Precautionary statement(s)

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P321	Specific treatment (see section 4 on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P501	Dispose of contents/container according to local regulations.

### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Vetiveria Zizanoides Root Oil	84238-29-9	282-490-8	100 %

### 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. Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Seek medical attention or contact local poison control center.

### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Carbon Dioxide, foam, dry chemicals extinguishers should be used. Do not use water.

#### Unsuitable extinguishing media

Water spray, water jet.

#### Special protective equipment and precautions for fire-fighters

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures.

Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8. Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.

#### Environmental precautions

Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.

#### Methods and materials for containment and cleaning up

Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

## 7. HANDLING AND STORAGE

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### Precautions for safe handling

Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

### Conditions for safe storage, including any incompatibilities

Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as 'Materials to Avoid'.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Eyes

The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended

### Skin

Using chemical resistant gloves and clothing is recommended.

### Respiratory

In well ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of NIOSH approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

### Control parameters

An eyewash fountain and/or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained. These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require additional precautions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Yellowish Brown to Dark Reddish Brown Viscous Liquid.
Odor	:	Characteristic Sweet, Woody, Balsamic Odor.
Flash point	:	>93°C
Relative density	:	0.977 to 0.999 @ 25°C
Solubility (ies)	:	Insoluble in water.
Refractive index	:	1.522 to 1.528 @ 20°C
Optical rotation	:	+17° to +32° @ 25°C

## 10. STABILITY AND REACTIVITY

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### Chemical stability

Chemically stable. This material presents no significant reactivity hazard.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

LD50 Oral Rat: > 5g/kg;

LD50 Dermal Rabbit: > 5g/kg

**Chronic toxicity**

May cause allergic reactions on skin.

**Serious eye damage**

Causes serious eye irritation.

**Repeated exposure**

May aggravate dermatitis, psoriasis and other skin conditions.

**12. ECOLOGICAL INFORMATION**

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**Persistence and degradability**

Generally biodegradable.

**Bio - accumulative potential**

Unlikely to bioaccumulated. Contaminated water must be cleared before entering sewerage.

**Mobility in soil**

Very low water solubility and will form a surface film.

**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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**California Proposition 65**

We hereby declare that, to the best of our knowledge, this product does not contain any substance(s) that are listed in the California Proposition 65.

**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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