



**SAFETY DATA SHEET (SDS)**

Version 2.0

Revision Date : March 28, 2017

Print Date : April 28, 2017

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Ginger Essential Oil - Fresh

Botanical name : Zingiber Officinale

INCI name : ZINGIBER OFFICINALE ROOT OIL

CAS # : 8007-08-7

Country of Origin : Indonesia

Product use : Domestic and Industrial

Supplier : Canwax

Address : 114 Lindgren Rd W Unit 1B Huntsville, ON P1H 1Y2

Fax :

Telephone number : 705-789-1002

Emergency phone number : (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

**GHS Classification**

Aspiration hazard - Category 1.

Skin corrosion / irritation 2.

Sensitization skin - Category 1.

Hazardous to the aquatic environment - Chronic Category 2

**GHS Label elements, including precautionary statements**

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**WHMIS Classification**

B3 Combustible Liquid as per WHMIS regulations.



Signal : **Danger**

Hazard statement(s)

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P280 Wear protective gloves/ protective clothing.

P273 Avoid release to the environment.

P302 + 352

IF ON SKIN: Wash with plenty of soap and water.

P331

Do not induce vomiting.

P333 + 313

If skin irritation or rash occurs: Get medical advice/attention.

#### HMIS Classification & Potential Health Effects

##### Inhalation

May be harmful if inhaled. Causes respiratory tract irritation

##### Skin

May be harmful if absorbed through skin. Causes skin irritation.

##### Eyes

Causes eye irritation

##### Ingestion

Maybe harmful if swallowed

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### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Zingiberene			Greater than 10%

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### 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

Seek medical attention or contact local poison control center.

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### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

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

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

#### Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

**Resulting gases** Carbon oxides.

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## 6. ACCIDENTAL RELEASE MEASURES

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

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area. To avoid possible contamination of the environment, Do not discharge into any drains, surface water or groundwater. Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors.

### **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.

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## 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**

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **Exposure controls**

Provide adequate ventilation. Respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

### **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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Pale yellow to yellow liquid.

Odor	:	Warm – spicy, characteristic odour of Ginger
Flash point	:	70°C
Relative density	:	0.860 – 0.890 @ 30°C
Solubility (ies)	:	Miscible in fat soluble organic solvents and fatty oils. Insoluble in water.
Refractive index	:	1.475 – 1.495 @ 20°C
Optical rotation	:	-45° to -15° @ 25°C

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## 10. STABILITY AND REACTIVITY

### Reactivity

This material presents no significant reactivity hazard.

**Chemical stability** Chemically stable.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** Carbon Oxides.

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not available.

### Chronic toxicity

May cause allergic reactions on skin.

### Reproductive toxicity

No adverse effects on reproduction are known.

### Inhalation

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

### Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

**Persistence and degradability** Not available.

**Bio - accumulative potential** Not available.

**Mobility in soil** Not available.

**Other adverse effects** Not available.

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## 13. DISPOSAL CONSIDERATION

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

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## 14. TRANSPORT INFORMATION

### US DOT Shipping Description (Land)

Not regulated

**IMO-IMDG Shipping Description (Sea)** Not regulated

### IATA Shipping Description (Air)

Not regulated

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## 15. REGULATORY INFORMATION

### WHMIS Classification

B3 - Combustible Liquid

**GHS Hazard Statements** See Section 2.

**GHS Precautionary Statements** See Section 2.

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**16. OTHER INFORMATION**

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