

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Orange Essential Oil (Sweet)

Botanical name : Citrus sinensis L.

FEMA : 2633

INCI name : Citrus sinensis peel oil expressed

CAS # : 8028-48-6

Country of Origin : Brazil

EINECS # : 232-433-8

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**  
Flammable  
Liquid,  
Category 3.  
Skin

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**WHMIS Classification**

B3 Combustible Liquid.

Corrosion/Irritation - Category 2

Skin Sensitization, Category 1

Aspiration toxicity - Category 1

Aquatic Chronic - Category 1

**GHS Label elements, including precautionary statements**



Signal : Danger

Hazard statement(s)

- H226 Flammable liquid and vapor
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction.
- H410 Very toxic to aquatic life with long -lasting effects.
- H304 May be fatal if swallowed and enters airways.

Precautionary statement(s)

**HMIS Classification & Potential Health Effects**

**NFPA Ratings**

Health : 2, Flammability : 2, Reactivity : 0

- P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking
- P241 Use explosion-proof electrical/ventilating/lighting equipment
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
- P273 Avoid release to the environment.
- P280 Wear protective gloves, clothing and eye or face protection.
- P301/310 IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.
- P303+361+353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
- P405 Store locked up
- P501 Dispose of contents/container in accordance with applicable regulations.
- P331 Do NOT induce vomiting.

**Inhalation**

May be harmful if inhaled. Causes respiratory tract irritation

**Skin**

Irritant, temporary redness (sort of burning) may occur. Mild local irritation and sensitization. Intensive contact with the skin may cause dermatitis.

**Eyes**

Irritant, may cause burning, redness, pain.

**Ingestion**

Harmful if ingested, gastrointestinal irritation. Abdominal pain, nausea, vomiting, diarrhea, and dizziness.

**3. COMPOSITION / INFORMATION INGREDIENTS**

Product Name	CAS NO	EC NO	Concentration
Citrus terpenes	8028-48-6		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.

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**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**

Sand, earth, dry powder, carbon dioxide.

**Unsuitable extinguishing media** Water spray, water jet.

**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.**

Equip clean crew with proper protection. 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.

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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

### 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.

### Exposure limit values

Citrus Terpene – 8 h TWA = 30 ppm ( AIHA Standart ) TWA = Time  
Weighted Average

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Yellow to orange liquid.
Odor	:	Characteristic orange odor.
Melting Point/Freezing Point:	:	-74 °C to -96.9 °C.
Initial b.p and boiling range :	:	175.5 to 178 °C @ 763 mmHg.
Flash point	:	47 °C
Flammability (solid,gas)	:	Rating = 2
Vapor pressure	:	At 14°C : 1 mmHg; At 20°C : about 1.4 mmHg;
Relative density	:	0.838 to 0.850 gr./ml at 20 to 25°C.
Solubility (ies)	:	Soluble in ethyl alcohol, insoluble in water
Auto-ignition temperature	:	237 °C
Refractive index	:	Not available.
Optical rotation	:	Not available.

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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

Oral : 50 -150 mg/kg (mouse) : psycholeptic effect [RIFM, TDS]; 3500 mg/kg (mouse) : maximum no effect level [RIFMU, SLR].

Dermal : Moderate irritation [RIFM]. Full strength, 24 hr, under occlusion (rabbit)[RIFM].

Irritant effects [RIFMU]. Full strength to conjunctival sac (rabbit) [TDS].

### Carcinogenicity

Oral : TDlo = 67 g/kg, 39 wk., intermittent administration (mouse): equivocal tumorigenic agent by RTECs criteria [RTEC].

### Reproductive toxicity

Oral : TDlo = 3546 - 14178 mg/kg, administered days 7-12 of gestation (pregnant mouse). At dose of 3546 mg/kg, developmental abnormalities of the musculoskeletal system and physical effects on newborns; at dose of 14178 mg/kg, change in growth statistics (e.g. reduced weight gain) [RTEC].

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Fish: LC50 - between 0.1 and 1 mg/L; Daphnia: EC50 - between 0.1 and 1 mg/L; Algae: EC50 between 0.1 and 1 mg/L.

### Persistence and degradability

Citrus Terpene is a biodegradable solvent occurring in nature as the main component of citrus peel oil.

**Bio - accumulative potential** Not available.

**Mobility in soil** Not available.

### Other adverse effects

Chemical Oxygen Demand : 2,850 gO<sub>2</sub>/l or 3,280 gO<sub>2</sub>/kg.

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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

**UN Number**

2319

**UN proper shipping name** Terpene hydrocarbons, n.o.s.

**Transport hazard class**

3

**Packing group**

III

**US DOT Shipping Description (Land)**

2319

**Proper shipping name**

Terpene hydrocarbons, n.o.s.

**Class**

3

**Packaging group**

III

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

2319

**Proper shipping name**

Terpene hydrocarbons, n.o.s.

**Class**

3

**Packaging group**

III

**IATA Shipping Description (Air)**

2319

**Proper shipping name**

Terpene hydrocarbons, n.o.s.

**Class**

3

**Packaging group**

III

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## 15. REGULATORY INFORMATION

### WHMIS Classification

B3

**DSL / NDSL**

Included in the DSL inventory.

**TSCA**

Included in the TSCA inventory.

**California Proposition 65**

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (included in Proposition 65 revised list): -Contains Myrcene.

**GHS Hazard Statements** See section 2.

**GHS Precautionary Statements** See section 2.

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**16. OTHER INFORMATION**

Revision date : February 6, 2017