
1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Orange Essential Oil (Sweet)

Botanical name : Citrus sinensis L.

FEMA : 2825

INCI name : Citrus sinensis dulcis (orange) peel oil

CAS # : 8028-48-6

Country of Origin : Brazil

EINECS # : 232-433-8

Product use : Domestic and Industrial

Supplier : Essential Depot, Inc.

Address : 4605 Oak Circle, Sebring, FL 33870

Fax :

Telephone number : 866-840-2495

Emergency phone number : 863-658-4398 Monday-Friday 9am-6pm

2. HAZARDS IDENTIFICATION

Emergency Overview

WHMIS Classification

B3 Combustible Liquid.

GHS Classification

Flammable Liquid, Category 3.

Skin 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)

- 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
- . Rinse skin with water/shower
- P405 Store locked up
- P501 Dispose of contents/container in accordance with applicable regulations.
- . regulations.
- P331 Do NOT induce vomiting.

HMIS Classification & Potential Health Effects

NFPA Ratings

Health : 2, Flammability : 2, Reactivity : 0

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.

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.

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.

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.

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.

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

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. Closed cup.
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.

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.

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].

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 gO₂/l or 3,280 gO₂/kg.

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

US DOT Shipping Description (Land)

UN # - 2319

Proper shipping name

Terpene Hydrocarbons, N.O.S.

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

UN # - 2319

Proper shipping name

Terpene Hydrocarbons, N.O.S.

Class

3

Packaging group

III

IATA Shipping Description (Air)

UN # - 2319

Proper shipping name

Terpene Hydrocarbons, N.O.S.

Class

3

Packaging group

III

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.

16. OTHER INFORMATION

Revision date : July 20, 2016

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