

SAFETY DATA SHEET (SDS)

Orange Sweet Essential Oil

Section 1. Product and Company Identification

Product Name: Orange Sweet Essential Oil

Product Code: EO36

SKU: S-EO-36

Botanical Name: Citrus sinensis

Country of Origin: Brazil

CAS #: 8028-48-6

EINECS #: 232-433-8

Manufacturer / Distributor: Silky Scents, LLC, 387 Magnolia Ave. STE. 103-122, Corona, CA 92879-3308, USA

Contact: customerservice@SilkyScents.com

Section 2. Hazards Identification

GHS Classification

Flammable Liquid - Category 3

Aspiration Hazard - Category 1

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1

Hazardous to the aquatic environment, long-term - Category 1



Signal Word: Danger

Pictograms: GHS02 (Flame), GHS07 (Exclamation),
GHS08 (Health Hazard), GHS09 (Environment).

HAZARD STATEMENTS:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

- 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.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see Section 4 on this label).
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use appropriate fire extinguisher to extinguish.
P391 Collect spillage.
P403 + P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container according to local regulations.

Section 3. Composition and Information on Ingredients

Chemical Name: Citrus Sinensis Peel Oil Expressed

Physical State: Liquid

CAS #: 8028-48-6

EC #: 232-433-8

Concentration: 100 %

Impurities: None.

Section 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, remove to fresh air. Get medical attention if symptoms appear.

Ingestion: Seek medical attention or contact local poison control center. Do NOT induce vomiting.

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

Resulting Gases: Carbon oxides.

Section 6. Accidental Release Measures

Personal Precautions: Equip clean-up 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.

Containment and Cleaning Up: Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

Section 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: Provide local exhaust or general room ventilation to minimize vapour concentrations. Keep container closed when not in use. Store in a well ventilated place, keep cool, and store locked up.

Section 8. Exposure Controls/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 Standard). TWA = Time Weighted Average.

Section 9. Physical and Chemical Properties

Property	Result
Appearance	Yellow to orange liquid
Odor	Characteristic orange odor
Melting Point/Freezing Point	-74 C to -96.9 C
Initial Boiling Point and Range	175.5 C to 178 C @ 763 mmHg
Flash Point	43 to 49 C (closed cup)
Vapor Pressure	1 mmHg @ 14 C; about 1.4 mmHg @ 20 C
Relative Density	0.838 to 0.8500 @ 25 C
Solubility	Soluble in ethyl alcohol, insoluble in water
Refractive Index	1.4720 to 1.4740
Optical Rotation	+94 to +99

Section 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, acid clays and mineral acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Section 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].

Acute Toxicity (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 3546 mg/kg, developmental abnormalities of the musculoskeletal system and physical effects on newborns; at 14178 mg/kg, change in growth statistics (e.g. reduced weight gain) [RTEC].

Section 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.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

Other Adverse Effects: Chemical Oxygen Demand: 2,850 gO₂/l or 3,280 gO₂/kg.

Section 13. Disposal Considerations

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

Section 14. Transport Information

UN Number: UN2319

UN Shipping Name: Terpene hydrocarbons, N.O.S.

Transport Hazard Class: 3

Packing Group Number: III

US DOT (Land): UN2319, Terpene hydrocarbons, N.O.S., Class 3, PG III

IMO-IMDG (Sea): UN2319, Terpene hydrocarbons, N.O.S., Class 3, PG III

IATA (Air): UN2319, Terpene hydrocarbons, N.O.S., Class 3, PG III

Section 15. Regulatory Information

DSL / NDSL: Included in the DSL inventory.

Product Regulations: GHS Hazard Statements: please refer to Section 2. GHS Precautionary Statements: please refer to Section 2.

Section 16. Other Information

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