



RV INTERNATIONAL

Essential Oils Manufacturer & Bulk Supplier in India

GST NO. 06BGIPG9360E1ZF

Address: Opposite Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.1 — PRODUCT IDENTIFICATION

PRODUCT NAME: SWEET ORANGE ESSENTIAL OIL

BOTANICAL NAME: Citrus sinensis (L.) Osbeck

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8008-57-9

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

Address: Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

Telephone: +91 9643115611

Email: info@rvorganica.com

Website: www.rvorganica.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| Name | CAS # | HAZARDOUS STATEMENT |
|----------------------------|-----------|---------------------------|
| SWEET ORANGE ESSENTIAL OIL | 8008-57-9 | Not a hazardous substance |

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

*PERSONAL CARE & COSMETIC PURPOSE.

SECTION 3: HAZARD IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

Eye Contact: Irritation will occur with possible damage. Flush immediately with water.

Skin Contact: May cause mild irritation upon prolonged or undiluted exposure. Oxidized limonene (from aged oil) may cause skin sensitization — always use fresh oil. Not phototoxic (unlike bitter orange and bergamot). Recommended dilution: 2–5%.

Inhalation: If inhalation causes irritation, supply fresh air. Generally very well tolerated — one of the safest essential oils for inhalation use.

Ingestion: Rinse out mouth and drink plenty of water. Seek medical attention immediately.

SECTION 4: FIRST AID MEASURES

Eyes: Flush with plenty of water or eyewash solution for 15 minutes. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.

Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.

Inhalation: Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >43°C Close Cup



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Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Unsuitable Media: Water (except to cool containers)

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Toxic vapors may be released. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: Contains >90% d-Limonene — flammable liquid. Keep away from heat and ignition sources.

Hazardous Decomposition Materials: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid ingestion. Follow good industrial hygiene practices. Wear eye protection, gloves and aprons. Ventilate area well. Limonene vapors are flammable — eliminate all ignition sources.

Methods for Cleaning Up: Eliminate all sources of ignition. Ventilate area. Prevent liquid from entering sewers or waterways.

- Small spills: absorb with inert material, place in sealed waste container
- Large spills: contain with sand or earth. Absorb onto non-combustible absorbent. Dispose per local regulations.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Avoid ingestion. Follow good industrial hygiene practices. Keep away from heat and ignition sources. Dilute to 2–5% before topical application. Note: Sweet orange oil is non-phototoxic and generally regarded as one of the safest and most versatile essential oils.

Storage Requirements: Store in a cool, dark, dry and well-ventilated area. Do not expose to temperatures over 25°C. Keep tightly sealed in dark glass or aluminium containers. Refrigeration recommended after opening to prevent oxidation of limonene. Use within 1 year of manufacture for best quality.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established

Work Practice Controls: Personal hygiene is an important work practice exposure control measure.

- Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory: Avoid prolonged breathing of vapors. Use in well-ventilated areas.

Ventilation: Local, mechanical exhaust recommended

Eye: Wear safety glasses

Skin: Wear chemical resistant gloves and clothing to avoid skin contact

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear mobile liquid oil

Color: Yellow to Orange Yellow

Odor: Characteristic fresh, sweet, bright, juicy citrus-orange fragrance — characteristic sweet orange peel aroma



Vapor Pressure (mmHg.): Not available



Flash Point: >43°C (Closed Cup)

Boiling Point: >35°C (limonene fractions)

Melting Point: Not available



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Density @20°C: 0.847

Refractive Index @20°C: 1.473

Solubility in Water: Insoluble in water; soluble in alcohol and fixed oils. 1 vol in 4 vol of 90% ethanol.

SECTION 10: STABILITY AND REACTIVITY

Stability: Relatively unstable due to high d-Limonene content — oxidizes readily on exposure to air, light and heat. Use within 1 year and store refrigerated after opening.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents. Keep away from heat and ignition sources.

Conditions to Avoid: Avoid contact with sparks, flame, heat, direct light and air exposure.

Hazardous Decomposition By-products: Smoke and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: Flammable liquid — keep away from heat and ignition sources. Oxidized oil may cause skin sensitization — use fresh oil and store properly.

Irritancy: May cause mild skin and eye irritation when used undiluted

Sensitization: Fresh oil has very low sensitization risk. Oxidized limonene (from aged/improperly stored oil) can cause skin sensitization — always use fresh, properly stored oil.

Phototoxicity: Not phototoxic — safe to use on skin before sun or UV exposure (unlike bitter orange, bergamot and grapefruit).

Health Hazards (Acute & Chronic): Ingestion of large quantities: Harmful. Otherwise generally regarded as one of the safest essential oils. Suitable for use by adults, children (appropriately diluted), and during pregnancy (with medical advice).

Harmful Contact: Mild Irritant (fresh oil) / Possible Sensitizer (oxidized oil)

Eye Contact: Irritant

Note: Sweet orange oil is considered one of the safest, most child-friendly essential oils available. d-Limonene content 93–96% is the key quality marker.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Toxic to aquatic life with long lasting effects. High limonene content is harmful to aquatic organisms. Prevent release to the environment.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations. Do not pour down drain.

SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 8008-57-9

EINECS NO: 232-433-8

Hazards: Flammable Liquid (H226) / Mild Irritant



Risk Phrases: Flammable liquid and vapour (H226). Irritating to eyes and skin (if used in excessive amount). Oxidized oil may cause skin sensitization (H317). Toxic to aquatic organisms (H411).

Safety Phrases: Keep away from heat, hot surfaces, sparks and open flames (P210). Avoid contact with eyes. In case of contact with eyes, rinse immediately with water and seek medical advice. Keep out of reach of children. Use fresh oil — discard if oxidized.

SECTION 15: REGULATORY INFORMATION



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This product is listed by FEMA (No. 2825) as GRAS (Generally Recognized As Safe). It is classified as a Flammable Liquid Category 3 (H226) under GHS/CLP regulations. Not subject to IFRA restriction. Compliant with EU Cosmetic Regulation (EC) No 1223/2009. Refer to local, national, and international regulations for handling and disposal.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of RV International's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations.