



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: GRAPEFRUIT ESSENTIAL OIL

BOTANICAL NAME: Citrus paradisi Macfad.

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8016-20-4

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
GRAPEFRUIT ESSENTIAL OIL	8016-20-4	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. Photosensitizing — avoid direct sunlight or UV exposure on skin for at least 12 hours after topical application due to high limonene and furanocoumarin content.

Inhalation: If inhalation causes irritation, supply fresh air. Generally well tolerated in normal aromatherapy 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. Avoid sun exposure on treated skin. 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): >45°C Close Cup

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam



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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% limonene — flammable liquid. Keep away from ignition sources.

Hazardous Decomposition Materials: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid ingestion and prolonged skin contact. Wear eye protection, gloves and aprons. Ventilate area well. Note: limonene vapors are flammable — eliminate 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-flammable absorbent. Dispose per local regulations.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Avoid ingestion. Always dilute before topical application. Do not apply to skin before sun or UV exposure — photosensitizing oil. Follow good industrial hygiene practices. Keep away from heat and ignition sources.

Storage Requirements: Store in an area that is cool, dark, dry and well-ventilated. Do not expose to temperatures over 25°C. Keep tightly sealed in dark glass or aluminium containers. Note: Grapefruit oil oxidizes quickly — refrigeration recommended for long-term storage.

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: Pale Yellow to Greenish Yellow

Odor: Characteristic fresh, sweet, citrusy, slightly bitter grapefruit fragrance

Vapor Pressure (mmHg.): >35°C boiling point fractions

Flash Point: >45°C (Closed Cup)

Boiling Point: >35°C (limonene fractions)

Melting Point: Not available

Density @20°C: 0.853

Refractive Index @20°C: 1.476





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Solubility in Water: Insoluble in water; soluble in alcohol and fixed oils

SECTION 10: STABILITY AND REACTIVITY

Stability: Relatively unstable compared to other essential oils — oxidizes readily on exposure to air, light and heat due to high limonene content. Use within 1 year of opening and store refrigerated.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents. Avoid heat and ignition sources due to high limonene content.

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: Photosensitizing oil — avoid sun/UV exposure on treated skin for at least 12 hours after application.

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

Sensitization: Oxidized limonene (from aged oil) can cause skin sensitization — use fresh oil and store properly

Phototoxicity: Contains furanocoumarins — phototoxic/photosensitizing. Do not use on skin before sun or UV exposure.

Health Hazards (Acute & Chronic): Ingestion of large quantities: Harmful. Note: Grapefruit components may interact with certain medications — consult a healthcare professional.

Harmful Contact: Mild Irritant / Photosensitizer

Eye Contact: Irritant

Note: The above effects are based on evaluation of individual components. Handling of this oil resulting in inhalation of fumes may cause adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION

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

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: 8016-20-4

EINECS NO: 289-904-6

Hazards: Flammable Liquid / Mild Irritant / Photosensitizer

Risk Phrases: Flammable liquid (H227). Irritating to eyes and skin (if used in excessive amount). May cause photosensitization — avoid sun/UV exposure after use. Toxic to aquatic organisms (H411).

Safety Phrases: Keep away from heat and ignition sources. Do not apply to skin before UV/sun exposure. Avoid contact with eyes. In case of contact with eyes, rinse immediately with a steady stream of water and seek medical advice. Keep out of reach of children.



SECTION 15: REGULATORY INFORMATION

This product is listed by FEMA (No. 2530) as GRAS (Generally Recognized As Safe). It is not subject to specific regulatory requirements beyond standard chemical safety regulations. Refer to local, national, and international regulations for handling and disposal.

SECTION 16: ADDITIONAL INFORMATION



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