



## Material Safety Data Sheet

### Grapefruit Oil

#### Section 1.1 – Product Identification

Product name	:	Grapefruit Oil
Botanical Name	:	Citrus Racemosa
CAS #	:	8016-20-4

#### Section: 1.2 – Company Identification

**Company Name:** Indenta Chemicals (India) Pvt. Ltd.

**Address:** 201, Adamji Building, 413, Narshi Natha Street, Mumbai -400 009. (India)

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#### Section 2: Hazard Identification

##### Potential Health Effects

**Eyes:** May cause eye irritation. The toxicological properties of this material have not been fully investigated.

**Skin:** May cause skin irritation. The toxicological properties of this material have not been fully investigated.

**Ingestion:** May causes gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

**Chronic Exposure:** No information found.

#### Section 3: Composition / Ingredient Information

**Contents:** Limonene, pinene, sabinene, myrcene, octanol, decanol, caryophyllene

#### Section 4: First Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. **Eyes:** Flush with plenty of water or eye wash. Consult a physician.

**Skin:** Wash off soap and water. Get medical attention if irritation persists. **Ingestion:** Seek immediate medical advice

**Inhalation:** If breathed in, move person into fresh air. Consult a physician.

#### Section 5: Fire Fighting Measures

**Flash Point:** 46°C

**Suitable extinguishing media:** Use dry chemical or CO<sub>2</sub>, alcohol-resistant foam, water spray. **Special protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.  
**Decomposition Materials:** Carbon Dioxide, Carbon Monoxide.

## Section 6: Accidental Release Measures

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**Environmental Precautions:** Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.

**Methods for cleaning up:** Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

**Safety Precautions:** Eliminate all ignition sources. Ventilate area.

## Section 7: Handling And Storage

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**Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from fire and open flames.

**Storage:** Store in cool, dry and well-ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight.

## Section 8: Exposure Control / Personal Protection

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**Work/Hygiene Practice:** Normal work and hygiene practices for handling non-hazardous liquid material.

**Eye:** Safety glasses should be worn.

**Skin/Body:** Using chemically resistant clothes and gloves are recommended. **Respiratory:** Not needed under normal conditions of use.

**Other:** Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

## Section 9: Physical And Chemical Properties

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TESTS	SPECIFICATIONS
<b>Appearance</b>	Pale yellow to greenish-yellow liquid.
<b>Odor</b>	Characteristic fresh grapefruit odor.
<b>Solubility</b>	Soluble in alcohol and oils. Insoluble in water.
<b>Specific Gravity</b>	0.840–0.860 @ 25°C
<b>Refractive Index</b>	1.470–1.480 @ 20°C
<b>Limonene %</b>	≥80%
<b>Myrcene %</b>	1-3%

## Section 10: Stability And Reactivity

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**Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** Avoid sparks, flame, excessive heat and strong oxidizers and strong acids.

**Hazardous Polymerization:** N/A.

**Hazardous Decomposition products:** None known. When heated to decomposition produces acid fumes and carbon monoxide smoke

## Section 11: TOXICOLOGICAL INFORMATION

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**Inhalation:** Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

**Skin Contact:** Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin

effects should be prevented by normal care and personal hygiene.

**Eye Contact: May irritate eyes.**

**Ingestion:** Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.

**Medical Conditions Aggravated by Exposure:** May aggravate dermatitis, psoriasis and other skin conditions.

**Chronic Toxicity:** May cause allergic reactions on skin

**Carcinogenicity Data: None** of the components of this material are listed as a carcinogen.

**Reproductive Toxicity:** No adverse effects on reproduction are known.

**Acute Toxicity Values:** No data is currently available.

## Section 12: ECOLOGICAL INFORMATION

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**Biodegradation:** Expected to be ultimately biodegradable

**Aquatic Toxicity:** No Data.

**Bacterial Toxicity:** No Data.

## Section 13: DISPOSAL CONSIDERATION

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**Waste Disposable method:** Combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber in accordance with all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging:** Dispose of as unused product. .

## Section 14: Transport Information

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US DOT Shipping (Land): UN No. 1169: Liquid aromatic extract. Packaging Group: III Class: 3

IATA Shipping (Air): UN No. 1169: Liquid aromatic extract. Packaging Group: III Class: 3 IMDG

Shipping (Marine): UN No. 1169: Liquid aromatic extract. Packaging Group: III Class: 3

## Section 15: REGULATORY INFORMATION

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**WHMIS (Canada):** Class D2B/B3–Combustible liquid with flash point between 37.8°C(100°F) and 93.3°C (200°F).

**HMIS (USA):** Health Hazard–2, Fire Hazard–2, Reactivity–0

**SARA 302/ SARA 313:** None

## Section 16: Additional Information

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