



Material Safety Data Sheet

Fennel Oil

Section 1.1 – Product Identification

Product name	:	Fennel Oil
Botanical Name	:	Foeniculum vulgare
CAS #	:	8006-84-6

Section: 1.2 – Company Identification

Company Name: Indenta Chemicals (India) Pvt. Ltd.
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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: Anethol, fenchone, d-pinene, phellandrene, anisic acid, anisicaldehyde, limonene,estrogole isafrole

Anethol, trans50–80 %

Fenchone<15.0 %

Limonene< 5.0 % α-

pinene>7.6%

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: 62°C

Suitable extinguishing media: Use dry chemical or CO₂, 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

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

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

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

TESTS	SPECIFICATIONS
Appearance	Colorless to pale yellow clear liquid.
Odor	Characteristic spicy sweet woody odor.
Solubility	1:1 in 90% alcohol.
Specific Gravity	0.953–0.973 @ 20°C
Optical Rotation	+12–+24 @ 20°C
Refractive Index	1.532–1.543 @ 20°C
Anethol, trans	50–80%
Fenchon	< 15%
Limonene	< 5.0%

Section 10: Stability And Reactivity

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

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

Biodegradation: Expected to be ultimately biodegradable

Aquatic Toxicity: No Data.

Bacterial Toxicity: No Data.

Section 13: DISPOSAL CONSIDERATION

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

US DOT Shipping (Land): Not Regulated

IATA Shipping (Air): Not Regulated

IMDG Shipping (Marine): Not Regulated

Section 15: REGULATORY INFORMATION

WHMIS (Canada): N/A

HMIS (USA): Health Hazard–N/A Fire Hazard–3, Reactivity–N/A

SARA 302/ SARA 313: None

Section 16: Additional Information

This information is provided for documentation purposes only.

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