



Material Safety Data Sheet

Ginger Oil

Section 1.1 – Product Identification

Product name	:	Ginger Oil
Botanical Name	:	Zingiber officinale
CAS #	:	8007-08-7

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: (-)-zingiberenes, (+)-ar-curcumene, β -sesquiphellandrene, farnesene, β -bisabolène, and trancesof β -phellandrene, cineol, citral.

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: 57^oC

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	Pale yellow to yellow liquid.
Odor	Characteristic spicy somewhat pungent ginger odor.
Solubility	Soluble in alcohol and oils. Insoluble in water.
Specific Gravity	0.873 – 0.885 @ 20 ^o C
Optical Rotation	-45 – -26 @ 20 ^o C
Refractive Index	1.488 – 1.494 @ 20 ^o C

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): 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

WHMIS (Canada): N/A

HMIS (USA): Health Hazard–1, Fire Hazard–2, Reactivity–0

SARA 302/ SARA 313: None

Section 16: Additional Information

This information is provided for documentation purposes only.

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