



INDENTA™
Chemicals (India) Pvt. Ltd.
(ISO 9001:2008 Certified Company)



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Material Safety Data Sheet

Mandarin Oil

Section 1.1 – Product Identification

Product name : Mandarin Oil
Botanical Name: Citrus reticulata
CAS # : 8008-31-9

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

Eye Contact: Mild irritation may occur
Skin Contact: Mild irritation may occur
Ingestion: Not known
Inhalation: Irritating

Section 3: Composition / Ingredient Information

Contents:

Limonene	:	60 – 97%
β – pinene	:	0 – 3%
Myrcene	:	0 - 4 %
Terpiene	:	0 - 4 %.

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: 49°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

Appearance	:	Orange-Brown to dark-yellowish brown or olive-brown occasionally lemon yellow
Odor	:	Pleasant orange likes with a rich neroli reflection, floral undertone.
Solubility	:	Soluble in alcohol and other organics solvents.
Specific Gravity	:	0.847 - 0.853 @ 20°C
Optical Rotation	:	+ 63° - +78 °
Refractive Index	:	1.474 - 1.4770 @ 20°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

Eyes: Not expected to be an irritant.**Skin Irritancy:** Not expected to be an irritant.**Threshold Limit Value:** Non Toxic.**Signs and Symptoms of Exposure:** N/A**Carcinogenicity:** None.**Reproductive Toxicity:** N/A**Teratogenicity:** N/A**Mutagenicity:** N/A**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	IATA	RID / ADR	IMO	Canada TDG
Shipping Name	Essential Oils	Essential Oils	Essential Oils	Essential Oils	Essential Oils
Hazard Class	N.A.	N.A.	N.A.	N.A.	N.A.
UN Numbering	Not Regulated to DGR goods	Not Regulated to DGR goods	Not Regulated to DGR goods	Not Regulated to DGR goods	Not Regulated to DGR goods
Packing Group	N.A.	N.A.	N.A.	N.A.	N.A.

Section 15: REGULATORY INFORMATION

Risk Phrases (R): N / A**Safety Phrases (S):** N / A**WHMIS classification for product:** N / A**Section 16: Additional Information**

This information is provided for documentation purposes only.

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