



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



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## Material Safety Data Sheet

### Lime Oil

#### Section 1.1 – Product Identification

**Product name :** Lime Oil  
**Botanical Name:** Citru Latifolia Tanka  
**CAS No. :** 290-010-3

#### 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:**  $\beta$ -pinene, limonene,  $\gamma$ -terpinene,  $\beta$ -bisabolene

Limonene 50–65%	$\beta$ -pinene 10–12%
$\gamma$ -terpinene 7–12%	$\beta$ -Bisabolene 0.5–1.8%

#### 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

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**Flash Point:** 50°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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<b>Appearance</b>	:	Yellowish green to dark green liquid.
<b>Odor</b>	:	Fresh, sweet, acidulous, lemon-peel-like
<b>Solubility</b>	:	Soluble in alcohol and oils. Insoluble in water.
<b>Specific Gravity</b>	:	0.857–0.879@20°C
<b>Optical Rotation</b>	:	+38–+53@20°C
<b>Refractive Index</b>	:	1.476–1.486@ 20°C
<b>Extraction Method</b>	:	Cold-pressed of the peels of the fruit.

## 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****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**

	<b>US DOT</b>	<b>IATA</b>	<b>RID / ADR</b>	<b>IMO</b>	<b>Canada TDG</b>
<b>Shipping Name</b>	Essential Oils	Essential Oils	Essential Oils	Essential Oils	Essential Oils
<b>Hazard Class</b>	N.A.	N.A.	N.A.	N.A.	N.A.
<b>UN Numbering</b>	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
<b>Packing Group</b>	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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