



SAFETY DATA SHEET (SDS)

Product Name: Lemon Oil 5 Fold
Botanical Name: *Citrus limon*
CAS Number: 8008-56-8
EC Number: 284-515-8
Product Type: Folded Essential Oil
Plant Part: Peel
Extraction Method: Cold Pressed, then folded/concentrated by fractional distillation
Recommended Use: Fragrance ingredient for perfumery and cosmetic applications.
Supplier: Aromology Trading LLC
Issue Date: 24 July 2025
Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Lemon Oil 5 Fold
Recommended Use: Perfumery, cosmetics, aromatics and fragrance applications. Not for ingestion or pharmaceutical use.
Emergency Contact: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Hazard Class	Category
Flammable Liquid	Category 3
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Aspiration Hazard	Category 1
Aquatic Acute Toxicity	Category 1
Aquatic Chronic Toxicity	Category 1

Signal Word: Danger

Hazard Statements:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long-lasting effects.

**Precautionary Statements:**

P210 Keep away from heat, sparks, open flames and hot surfaces.
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.
P301+P310 IF SWALLOWED: Immediately call a poison centre or doctor.
P331 Do not induce vomiting.
P391 Collect spillage.
P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Typical Range
Lemon Oil 5 Fold	8008-56-8	100%
Limonene	5989-27-5	40–65%
Citral	5392-40-5	3–8%
β-Pinene	127-91-3	5–12%
γ-Terpinene	99-85-4	3–8%
Linalool	78-70-6	Trace–2%

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water. Remove contaminated clothing.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Seek medical advice if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth and seek immediate medical attention.

Symptoms: Skin irritation, allergic skin reaction, eye irritation, respiratory irritation and aspiration risk if swallowed.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray.

Unsuitable Media: Direct water jet.

Combustion Hazards: Carbon monoxide, carbon dioxide and irritating organic vapours.

Protection: Use self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid inhalation and contact with skin or eyes. Remove ignition sources. Ventilate area. Prevent entry into drains, soil and waterways. Absorb with sand, earth or inert material. Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE



Handling: Use only in well-ventilated areas. Avoid flames, sparks, heat, skin contact and eye contact. Do not eat, drink or smoke while handling.

Storage: Store tightly sealed below 25 °C. Protect from sunlight, heat, air exposure and oxidising agents. Keep in original container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: None established.

Eye Protection: Safety goggles.

Skin Protection: Chemical-resistant gloves.

Respiratory Protection: Use organic vapour mask if ventilation is insufficient.

Engineering Controls: Provide adequate ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear pale yellow to deep yellow liquid
Odour	Strong, fresh, concentrated lemon peel, citrus
Flash Point	Approx. 50–60 °C
Relative Density @20 °C	0.850–0.875
Refractive Index @20 °C	1.475–1.485
Optical Rotation	+35° to +65°
Solubility	Insoluble in water; soluble in alcohol and perfumery solvents
Flammability	Flammable liquid and vapour

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under normal handling.

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Heat, flames, sparks, sunlight and air exposure.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Carbon oxides and irritating organic vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin, eyes, inhalation and ingestion.

Skin: Causes irritation and may cause allergic skin reaction.

Eyes: May cause irritation.

Inhalation: Vapours may irritate respiratory tract.

Ingestion: Aspiration hazard if swallowed.

Carcinogenicity / Mutagenicity / Reproductive Toxicity: No classification based on available data.

SECTION 12: ECOLOGICAL INFORMATION



Very toxic to aquatic life with long-lasting effects. Avoid release into the environment. Contains naturally occurring terpenes with aquatic toxicity.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers in accordance with local regulations. Do not discharge into drains, soil or waterways.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	UN 1169
Proper Shipping Name	Extracts, Aromatic, Liquid
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with UN GHS, CLP Regulation (EC) No. 1272/2008, REACH Regulation (EC) No. 1907/2006 and applicable fragrance ingredient safety practices.

SECTION 16: OTHER INFORMATION

This SDS provides general safety and handling information for Lemon Oil 5 Fold intended for perfumery and aromatic applications. Natural variation may occur between batches.

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Title: Director

Company: Aromology Trading LLC

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