



SAFETY DATA SHEET (SDS)

Product Name: Lemon Essential Oil
Botanical Name: Citrus limon
CAS Number: 8008-56-8
EC Number: 284-515-8
Product Type: Essential Oil
Plant Part: Peel
Extraction Method: Cold Pressed
Recommended Use: Fragrance ingredient for perfumery and cosmetic applications.
Supplier: Aromology Trading LLC
Issue Date: 21 July 2025
Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Lemon Essential Oil
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.
P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Typical Range
Lemon Essential Oil	8008-56-8	100%
Limonene	5989-27-5	55–75%
Beta-Pinene	127-91-3	8–18%
Gamma-Terpinene	99-85-4	6–12%
Citral	5392-40-5	Trace–4%
Linalool	78-70-6	Trace–1%

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.
Ingestion: Do not induce vomiting. Rinse mouth and seek immediate medical attention.
Symptoms: Skin irritation, allergic reaction, respiratory irritation, 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.

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 or inert material and dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Use in well-ventilated areas. Avoid flames, sparks and heat. Avoid skin and eye contact.
Storage: Store tightly sealed below 25 °C, away from sunlight, heat and oxidising agents.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear pale yellow to yellow liquid
Odour	Fresh, citrus, zesty, lemon peel
Flash Point	Approx. 47–50 °C
Relative Density @20 °C	0.842–0.858
Refractive Index @20 °C	1.472–1.476
Optical Rotation	+55° to +75°
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 when stored correctly.

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

Incompatible Materials: Strong oxidising agents.

Decomposition Products: Carbon oxides and organic vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not expected to be acutely toxic under normal handling.

Skin: Causes irritation.

Eyes: May cause irritation.

Sensitisation: May cause allergic skin reaction due to naturally occurring allergens.

Aspiration Hazard: May be fatal if swallowed and enters airways.

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. Expected to be biodegradable but contains constituents with aquatic toxicity.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers according to 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 Essential Oil for perfumery and aromatic use.

Prepared By: Fozia Khot

Title: Director

Company: Aromology Trading LLC

Issue Date: 21 July 2025

Version: 1.0