



## SAFETY DATA SHEET (SDS)

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**Product Name:** Lime Oil Distilled  
**Botanical Name:** *Citrus aurantiifolia*  
**CAS Number:** 90063-52-8  
**EC Number:** 290-010-3  
**Product Type:** Steam Distilled Essential Oil  
**Plant Part:** Peel  
**Extraction Method:** Steam Distillation  
**Recommended Use:** Fragrance ingredient for perfumery and cosmetic applications.  
**Supplier:** Aromology Trading LLC  
**Issue Date:** 02 August 2025  
**Version:** 1.0

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### SECTION 1: IDENTIFICATION

**Product Identifier:** Lime Oil Distilled

**Recommended Use:** Perfumery, cosmetics, aromatics and fragrance applications.

**Emergency Telephone:** +971 505 197 601

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### 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 Chronic Toxicity | Category 2 |

**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.

H411 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 physician.

P331 Do not induce vomiting.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local regulations.

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### **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

| <b>Component</b>   | <b>CAS Number</b> | <b>Typical Range (%)</b> |
|--------------------|-------------------|--------------------------|
| Lime Oil Distilled | 90063-52-8        | 100                      |
| d-Limonene         | 5989-27-5         | 35–50                    |
| β-Pinene           | 127-91-3          | 10–18                    |
| γ-Terpinene        | 99-85-4           | 8–15                     |
| Terpinen-4-ol      | 562-74-3          | 2–8                      |
| α-Terpineol        | 98-55-5           | 1–5                      |
| Linalool           | 78-70-6           | Trace–3                  |
| Citral             | 5392-40-5         | Trace–1                  |

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### **SECTION 4: FIRST AID MEASURES**

#### **Inhalation**

Move the affected person to fresh air.

Seek medical attention if symptoms persist.



### **Skin Contact**

Wash thoroughly with soap and water.

Remove contaminated clothing.

### **Eye Contact**

Flush cautiously with water for at least 15 minutes.

Seek medical attention if irritation persists.

### **Ingestion**

Do not induce vomiting.

Immediately obtain medical advice.

### **Symptoms**

Skin irritation.

Allergic skin reaction.

Eye irritation.

Aspiration hazard if swallowed.

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## **SECTION 5: FIREFIGHTING MEASURES**

### **Suitable Extinguishing Media**

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water spray

### **Unsuitable Extinguishing Media**

Direct water jet.

### **Hazardous Combustion Products**



Carbon monoxide.

Carbon dioxide.

Irritating organic vapours.

### **Protective Equipment**

Self-contained breathing apparatus and full protective clothing.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Avoid contact with skin and eyes.

Remove all ignition sources.

Ensure adequate ventilation.

Prevent release into drains and waterways.

Absorb using inert absorbent material such as sand or vermiculite.

Dispose of waste according to local regulations.

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## **SECTION 7: HANDLING AND STORAGE**

### **Handling**

Use only with adequate ventilation.

Avoid prolonged skin contact.

Avoid inhalation of vapours.

Keep away from ignition sources.

### **Storage**

Store below 25°C.

Protect from sunlight.



Keep container tightly closed.

Store away from oxidising agents.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

No occupational exposure limits established.

### Engineering Controls

Provide adequate local exhaust ventilation.

### Eye Protection

Safety goggles.

### Skin Protection

Chemical-resistant gloves.

### Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property                | Specification                                                   |
|-------------------------|-----------------------------------------------------------------|
| Appearance              | Clear colourless to pale yellow liquid                          |
| Odour                   | Fresh, sweet, citrus, terpene, characteristic of distilled lime |
| Flash Point             | 48–55 °C                                                        |
| Relative Density @20 °C | 0.855–0.875                                                     |
| Refractive Index @20 °C | 1.468–1.478                                                     |
| Optical Rotation        | +20° to +45°                                                    |
| Solubility              | Insoluble in water; soluble in alcohol and perfumery solvents   |
| Flammability            | Flammable liquid and vapour                                     |

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## SECTION 10: STABILITY AND REACTIVITY

**Reactivity**

Stable under recommended conditions.

**Chemical Stability**

Stable under normal storage conditions.

**Conditions to Avoid**

Heat.

Open flames.

Strong sunlight.

Oxidising agents.

**Hazardous Decomposition Products**

Carbon oxides.

Organic decomposition products.

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**SECTION 11: TOXICOLOGICAL INFORMATION****Likely Routes of Exposure**

- Skin
- Eyes
- Inhalation
- Ingestion

**Effects**

Skin irritation.

May cause allergic skin reactions.

Eye irritation.

Respiratory irritation from excessive vapour exposure.



Aspiration hazard if swallowed.

No evidence of carcinogenicity, mutagenicity or reproductive toxicity based on available information.

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## SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid release into the environment.

Expected to be biodegradable but contains naturally occurring terpene hydrocarbons with aquatic toxicity.

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## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers in accordance with local and national regulations.

Do not discharge into drains or natural waterways.

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## 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                        |

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## SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EC) No. 1907/2006 (REACH)
- Applicable IFRA Standards



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## SECTION 16: OTHER INFORMATION

This Safety Data Sheet provides guidance for the safe handling, storage, transport and use of **Lime Oil Distilled** in perfumery, cosmetic and aromatic applications.

Steam distillation significantly reduces naturally occurring furocoumarins compared with expressed lime oil, making distilled lime oil a preferred ingredient where lower phototoxic potential is desired.

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**Company:** Aromology Trading LLC

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