



SAFETY DATA SHEET (SDS)

Product Name: Orange Oil 5 Fold
Botanical Name: *Citrus sinensis*
INCI Name: *Citrus Aurantium Dulcis* (Orange) Peel Oil
CAS Number: 8028-48-6
EC Number: 232-433-8
FEMA Number: 2825
Product Type: Folded Essential Oil
Plant Part: Peel
Extraction Method: Cold Pressed followed by Fractional Distillation (5 Fold)
Recommended Use: Fragrance ingredient for perfumery, cosmetic and personal care applications.
Supplier: Aromology Trading LLC
Issue Date: 04 September 2025
Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Orange Oil 5 Fold
Recommended Use: Perfumery, cosmetics, personal care products and aromatics.
Emergency Telephone: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

Hazard Class	Category
Flammable Liquid	Category 3
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Skin Sensitisation	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 and open flames.
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 according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Typical Range (%)
Orange Oil 5 Fold	8028-48-6	100
d-Limonene	5989-27-5	80–92
Myrcene	123-35-3	1–5
Linalool	78-70-6	Trace–1.5
Decanal	112-31-2	Trace–1.0
Citral	5392-40-5	Trace–0.5

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing.
Eye Contact: Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Immediately seek medical attention due to aspiration hazard.
Symptoms: Skin irritation, allergic skin reaction, eye irritation and aspiration hazard if swallowed.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, alcohol-resistant foam, water spray.
Unsuitable Media: Direct water jet.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide and irritating organic vapours.
Protection: Wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove ignition sources. Ensure adequate ventilation. Avoid skin and eye contact. Prevent entry into drains, soil and waterways. Absorb using sand, vermiculite or inert absorbent. Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE



Handling: Use in well-ventilated areas. Avoid breathing vapours. Avoid skin and eye contact. Keep away from heat, sparks and open flames.

Storage: Store below 25°C. Keep container tightly closed. Protect from direct sunlight, heat, air and moisture. Store away from oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No occupational exposure limits established.

Engineering Controls: Provide adequate ventilation.

Eye Protection: Safety goggles.

Skin Protection: Chemical-resistant gloves.

Respiratory Protection: Organic vapour respirator where ventilation is insufficient.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear orange to deep orange liquid
Odour	Sweet, juicy, concentrated orange peel, citrus
Flash Point	47–55°C
Relative Density @20°C	0.845–0.865
Refractive Index @20°C	1.4720–1.4780
Optical Rotation	+85° to +100°
Solubility	Insoluble in water; soluble in ethanol and perfumery solvents
Flammability	Flammable liquid and vapour

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under recommended handling conditions.

Chemical Stability: Stable under normal storage conditions.

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

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 terpene hydrocarbons 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 IFRA Standards.

SECTION 16: OTHER INFORMATION

This Safety Data Sheet provides guidance for the safe handling, storage and use of Orange Oil 5 Fold in perfumery, cosmetic and personal care applications.

Orange Oil 5 Fold is a concentrated folded essential oil obtained from orange peel oil by fractional distillation. The folding process enriches the sweet citrus body and improves tenacity while retaining the characteristic juicy orange profile.

Prepared By: Fozia Khot

Title: Director

Company: Aromology Trading LLC

Issue Date: 04 September 2025

Version: 1.0