



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier

Parameter	Details
Product Name	Orange Leaf Absolute
Alternative Names	Bitter Orange Leaf Absolute; Petitgrain Absolute; Orange Leaf Extract
Botanical Name	<i>Citrus aurantium</i> L. var. <i>amara</i>
Botanical Family	Rutaceae
Plant Part	Leaves and young twigs
INCI Name	Citrus Aurantium Amara Leaf Extract
CAS Number	8014-17-3
Product Type	Natural Complex Substance / Botanical Absolute
Country of Origin	Tunisia
Extraction Method	Solvent extraction followed by purification with ethyl alcohol
Physical Form	Viscous liquid

Orange Leaf Absolute from Tunisia is commercially produced from the leaves and young twigs of *Citrus aurantium* by solvent extraction and purification, with major naturally occurring constituents including linalool, α -terpineol, linalyl acetate and geranyl acetate.

1.2 Relevant Identified Uses

- Professional perfumery
- Fine fragrance manufacture
- Cosmetic fragrance ingredient
- Soap and detergent fragrance
- Candles and home fragrance
- Incense products
- Fragrance research and development

1.3 Uses Advised Against

- Internal consumption



- Direct undiluted skin application
- Pharmaceutical use
- Food use unless separately approved
- Consumer use without appropriate dilution

1.4 Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

1.5 Emergency Telephone

Contact the local Poison Centre or emergency medical services.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Representative CLP Classification

Hazard Class	Category
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Serious Eye Irritation	Category 2
Aspiration Hazard	Category 1
Aquatic Chronic	Category 2

2.2 Label Elements

Signal Word

Danger

Hazard Statements

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.



- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- 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.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P391 Collect spillage.
- P501 Dispose of contents/container according to local regulations.

2.3 Other Hazards

- Oxidation during prolonged storage may increase sensitisation potential.
- Spilled material may create a slipping hazard.
- PBT/vPvB properties have not been established for the complete natural extract.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Component	CAS Number	Concentration
Orange Leaf Absolute	8014-17-3	100%

Natural constituents may include:

- Linalool
- Linalyl acetate
- Alpha-terpineol
- Geranyl acetate
- Nerol
- Geraniol
- Limonene
- Terpineol derivatives
- Natural waxes and pigments



The exact composition varies naturally according to harvest conditions and production batch.

SECTION 4: FIRST AID MEASURES

Inhalation

Move the affected person to fresh air.

Seek medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Eye Contact

Flush cautiously with clean water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Do not induce vomiting.

Immediately seek medical attention.

Most Important Symptoms

- Skin irritation
- Allergic dermatitis
- Eye irritation
- Headache
- Nausea

Medical Advice

Treat symptomatically.



SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

- Dry chemical
- Carbon dioxide
- Foam
- Water fog

Unsuitable:

- Direct water jet

Hazardous combustion products:

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Wear appropriate PPE.
 - Prevent release to drains.
 - Absorb with sand or inert absorbent.
 - Collect into suitable containers.
 - Dispose via licensed waste contractor.
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SECTION 7: HANDLING AND STORAGE

Handle in a well-ventilated area.

Avoid:

- Skin contact
- Eye contact
- Vapour inhalation

Store:



- At 5–20°C
- In tightly closed original containers
- Protected from sunlight and moisture
- Away from oxidising agents

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Local exhaust ventilation where appropriate.

Eye Protection

Chemical splash goggles.

Hand Protection

Nitrile gloves.

Body Protection

Laboratory coat or chemical-resistant clothing.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Value
Appearance	Amber to greenish-brown viscous liquid
Odour	Powerful green, leafy, bitter citrus, watery and floral
Physical State	Viscous liquid
Relative Density (20 °C)	0.900–0.940
Refractive Index (20 °C)	1.465–1.485
Flash Point	Approximately 72 °C
Water Solubility	Insoluble
Ethanol Solubility	Soluble
Vapour Pressure	Low



Representative physical properties are consistent with commercial Tunisian Orange Leaf/Petitgrain Absolute.

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Heat
- Direct sunlight
- Air exposure
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide
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SECTION 11: TOXICOLOGICAL INFORMATION

Likely effects:

- Skin irritation
- Eye irritation
- Skin sensitisation
- Aspiration hazard if swallowed

No evidence has been established for carcinogenicity or mutagenicity of the complete natural extract.

SECTION 12: ECOLOGICAL INFORMATION

Expected to be toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled environmental release.



SECTION 13: DISPOSAL CONSIDERATIONS

Dispose through an authorised chemical waste contractor.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Item	Information
UN Number	UN3082 (where applicable)
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Transport Class	9
Packing Group	III
Marine Pollutant	May apply

Final transport classification should be confirmed from the manufacturer's batch documentation.

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EU) 2020/878
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1223/2009
 - Current IFRA Standards
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SECTION 16: OTHER INFORMATION

Shelf Life

24 months under recommended storage conditions.

Document Version

Version 1.0



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22 July 2026

DISCLAIMER

This Safety Data Sheet has been prepared using representative technical information for Orange Leaf Absolute, obtained from the leaves and young twigs of *Citrus aurantium*. Botanical identity, production process, CAS number, principal constituents and representative physical characteristics are based on published commercial technical information for Tunisian Orange Leaf Absolute. Final hazard classification, transport status and regulatory compliance should always be verified against the original manufacturer's batch-specific Safety Data Sheet and analytical documentation before commercial use.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC