



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 Blossom Absolute
Alternative Names	Orange Flower Absolute; Bitter Orange Blossom Absolute
Botanical Name	<i>Citrus aurantium</i> L. var. <i>amara</i>
Botanical Family	Rutaceae
Plant Part	Flowers
INCI Name	Citrus Aurantium Amara Flower Extract
Primary CAS Number	8030-28-2
FEMA Number	2818
Country of Origin	Egypt
Extraction Method	Solvent extraction followed by ethanol washing and solvent removal
Product Type	Natural Complex Substance / Botanical Absolute
Physical Form	Viscous liquid or semi-solid aromatic extract

1.2 Relevant Identified Uses

- Professional perfumery
- Fine-fragrance formulation
- Orange blossom and white-floral accords
- Cosmetic fragrance compositions
- Soap and detergent fragrance
- Home-fragrance products
- Incense and aromatic preparations
- Fragrance research and development

1.3 Uses Advised Against

- Internal consumption
- Direct undiluted application to skin
- Use as a food ingredient without separate food-grade certification
- Therapeutic or medicinal use
- Use by children
- Use in consumer products without safety assessment



- Use above applicable IFRA or regulatory limits

1.4 Supplier Details

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 Contact

Contact the appropriate local poison centre, emergency medical service or civil-defence authority.

SECTION 2: HAZARD IDENTIFICATION

2.1 Representative CLP Classification

The following classification is representative for concentrated Orange Blossom Absolute. Final classification must be confirmed against the original manufacturer's batch-specific SDS.

Hazard Class	Category	Hazard Statement
Skin Irritation	Category 2	H315
Skin Sensitisation	Category 1	H317
Eye Irritation	Category 2	H319
Aquatic Chronic	Category 2	H411

2.2 Label Elements

Signal Word

WARNING

Hazard Statements

- 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 or mist.
- P264: Wash hands and exposed skin thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, protective clothing and eye protection.
- 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. Remove contact lenses if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice.
- P333+P313: If skin irritation or rash occurs: Get medical advice.
- P337+P313: If eye irritation persists: Get medical advice.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P391: Collect spillage.
- P501: Dispose of contents and container in accordance with applicable regulations.

2.3 Other Hazards

- May sensitise susceptible individuals following repeated exposure.
- Oxidation may increase the sensitising potential of terpene constituents.
- Heated product may release irritating vapours.
- Spilled material may create a slipping hazard.
- PBT and vPvB properties have not been established for the complete natural extract.
- Endocrine-disrupting properties have not been established.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance Description

Natural complex aromatic extract obtained from Egyptian bitter-orange flowers.

Ingredient	CAS Number	Representative Concentration
Orange Blossom Absolute	8030-28-2	Up to 100%

3.2 Representative Natural Constituents

The product may naturally contain:



- Linalool
- Farnesol
- Linalyl acetate
- Nerolidyl acetate
- Methyl anthranilate
- Indole
- Limonene
- Geraniol
- Nerol
- Benzyl alcohol
- Benzyl benzoate
- Benzyl salicylate
- Citral
- Citronellol
- Eugenol
- Isoeugenol
- Naturally occurring waxes and pigments
- Trace residual extraction solvent

Exact concentrations vary according to the botanical material, harvest, extraction process and batch.

SECTION 4: FIRST-AID MEASURES

4.1 Inhalation

- Move the affected person to fresh air.
- Keep at rest in a comfortable position.
- Seek medical advice if coughing, dizziness, headache or breathing discomfort persists.

4.2 Skin Contact

- Remove contaminated clothing.
- Wash thoroughly with soap and water.
- Do not use organic solvents to clean the skin.
- Seek medical advice if redness, itching, irritation or rash develops.
- Wash contaminated clothing before reuse.

4.3 Eye Contact

- Rinse cautiously with clean water for at least 15 minutes.



- Remove contact lenses where present and easy to do.
- Continue rinsing while holding the eyelids open.
- Obtain medical attention if irritation persists.

4.4 Ingestion

- Rinse the mouth with water.
- Do not induce vomiting.
- Never give anything by mouth to an unconscious person.
- Contact a physician or poison centre if a significant quantity is swallowed.

4.5 Most Important Symptoms

Possible symptoms include:

- Skin redness
- Burning or itching
- Allergic skin rash
- Eye irritation and tearing
- Headache or nausea
- Gastrointestinal discomfort

4.6 Medical Treatment

Treat symptomatically.

Persons who develop sensitisation should avoid further exposure.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

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

5.2 Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet.

5.3 Special Hazards



Combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides
- Irritating organic vapours
- Dense smoke

5.4 Advice for Firefighters

- Wear self-contained breathing apparatus.
 - Wear full protective clothing.
 - Cool exposed containers with water spray.
 - Prevent contaminated firefighting water from entering drains or waterways.
-

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

- Ensure adequate ventilation.
- Avoid skin and eye contact.
- Avoid breathing vapours or mist.
- Wear protective gloves, clothing and eye protection.
- Keep unnecessary personnel away.
- Remove ignition sources where applicable.

6.2 Environmental Precautions

- Prevent entry into drains, soil and waterways.
- Contain the spill where safe to do so.
- Notify the relevant authority if significant environmental contamination occurs.

6.3 Cleaning Methods

- Absorb with sand, earth, vermiculite or another inert absorbent.
 - Collect into a suitable labelled container.
 - Clean the area with detergent and water.
 - Do not flush large quantities into drains.
 - Dispose through an authorised waste contractor.
-



SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

- Use in a well-ventilated area.
- Avoid contact with skin, eyes and clothing.
- Avoid breathing vapours, fumes or mist.
- Wear appropriate protective equipment.
- Do not eat, drink or smoke while handling.
- Wash thoroughly after handling.
- Keep the container closed when not in use.
- Use clean, dry dispensing equipment.
- Do not return unused material to the original container.

7.2 Storage Conditions

Store:

- In the original tightly closed container
- At **5–20°C**
- Protected from sunlight
- Protected from excessive heat, air and moisture
- Away from strong oxidising agents
- Away from food and beverages
- Out of reach of children

The product may thicken or become semi-solid at lower temperatures. Allow the closed container to return gradually to room temperature and mix before use.

7.3 Specific End Use

For professional fragrance formulation only.

Finished-product concentration must be established according to:

- Applicable IFRA Standards
- Batch-specific composition
- Intended product category
- Cosmetic safety assessment
- Local regulatory requirements

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



8.1 Control Parameters

No occupational exposure limit has been established for the complete natural extract.

Occupational limits for residual solvents or individual constituents must be considered where applicable.

8.2 Engineering Controls

- Provide adequate general ventilation.
- Use local exhaust ventilation where the material is heated or handled in bulk.
- Provide an eyewash station and washing facilities.

8.3 Personal Protective Equipment

Eye Protection

Wear chemical safety glasses or splash goggles.

Hand Protection

Wear chemical-resistant gloves, such as:

- Nitrile rubber
- Neoprene
- Another compatible material

Skin Protection

Wear:

- Protective laboratory coat
- Chemical-resistant apron for bulk handling
- Closed footwear

Respiratory Protection

Normally not required under adequate ventilation.

Use an approved organic-vapour respirator where ventilation is insufficient or vapour and mist are generated.

Hygiene Measures

- Wash hands after handling.



- Remove contaminated clothing promptly.
- Do not eat, drink or smoke in the work area.

Environmental Controls

Prevent uncontrolled environmental release.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Physical State	Viscous liquid, paste or semi-solid
Colour	Deep orange, orange-brown to dark brown
Odour	Rich orange blossom, floral, honeyed, citrus, green and indolic
Odour Threshold	Not determined
Melting or Softening Point	Batch dependent
Initial Boiling Point	Not determined; complex mixture
Flammability	Combustible under fire conditions
Explosion Limits	Not determined
Flash Point	Typically approximately 60–80 °C; batch confirmation required
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
pH	Not applicable
Viscosity	High and temperature dependent
Water Solubility	Insoluble or practically insoluble
Ethanol Solubility	Soluble to partially soluble; slight haze may occur
Vapour Pressure	Low
Relative Density at 20 °C	Approximately 0.930–1.050
Refractive Index at 20 °C	Approximately 1.475–1.525
Particle Characteristics	Not applicable

All values are representative and are not batch-tested results.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity



No hazardous reaction is expected under normal conditions.

10.2 Chemical Stability

Stable when stored in a tightly closed container under recommended conditions.

The material may oxidise gradually when exposed to air, heat or light.

10.3 Hazardous Reactions

Hazardous polymerisation is not expected.

10.4 Conditions to Avoid

- Excessive heat
- Direct sunlight
- Open flames
- Prolonged air exposure
- Moisture
- Contamination

10.5 Incompatible Materials

- Strong oxidising agents
- Strong acids
- Strong alkalis

10.6 Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides
- Irritating organic vapours

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Definitive acute-toxicity data are unavailable for the complete natural extract.

Not expected to present high acute toxicity under normal professional handling conditions.



11.2 Skin Irritation

May cause skin irritation following direct or prolonged contact.

11.3 Eye Irritation

May cause serious eye irritation.

11.4 Sensitisation

May cause an allergic skin reaction.

Naturally occurring fragrance constituents may contribute to sensitisation depending on concentration and oxidation state.

11.5 Germ-Cell Mutagenicity

No definitive classification has been established for the complete substance.

11.6 Carcinogenicity

No definitive classification has been established for the complete substance.

11.7 Reproductive Toxicity

No definitive data are available for the complete substance.

11.8 Specific Target-Organ Toxicity

Not classified based on available representative information.

High vapour concentrations may cause headache, dizziness or nausea.

11.9 Aspiration Hazard

Not classified based on the available physical properties.

11.10 Endocrine-Disrupting Properties

Not established for the complete natural extract.

SECTION 12: ECOLOGICAL INFORMATION



12.1 Toxicity

Representative classification:

Toxic to aquatic life with long-lasting effects.

12.2 Persistence and Degradability

Complete biodegradation data are unavailable.

Some constituents may biodegrade, while hydrophobic constituents may persist longer.

12.3 Bioaccumulative Potential

Some hydrophobic constituents may have bioaccumulative potential.

12.4 Mobility in Soil

Expected to have limited mobility because of low water solubility.

12.5 PBT and vPvB Assessment

The substance has not been established as PBT or vPvB.

12.6 Endocrine-Disrupting Properties

No definitive environmental endocrine-disruption assessment is available.

12.7 Other Adverse Effects

Avoid all uncontrolled release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment

- Dispose through an authorised chemical-waste contractor.
- Do not discharge into drains, soil or waterways.
- Do not mix with household waste.
- Empty containers may retain hazardous residue.
- Dispose of contaminated packaging according to local regulations.
- Recycling should occur only after professional cleaning.

SECTION 14: TRANSPORT INFORMATION

Final transport classification must be confirmed using the actual batch flash point, environmental classification, package size and applicable transport regulations.

Transport Information	Representative Status
UN Number	UN 3082, where environmental transport criteria apply
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name	Orange Blossom Absolute
Transport Hazard Class	9
Packing Group	III
Environmental Hazard	Yes, where classified as Aquatic Chronic 2
Marine Pollutant	May apply
Special Precautions	Keep upright, tightly closed and protected from heat
Bulk Transport	Not intended for bulk maritime transport

The shipper must confirm classification under ADR, IMDG and IATA regulations before dispatch.

SECTION 15: REGULATORY INFORMATION

15.1 Applicable Regulations

This document has been prepared with reference to:

- Regulation (EC) No. 1907/2006 concerning REACH
- Regulation (EU) 2020/878 concerning SDS requirements
- Regulation (EC) No. 1272/2008 concerning CLP
- Regulation (EC) No. 1223/2009 concerning cosmetic products
- Applicable IFRA Standards
- Applicable national transport and occupational regulations

15.2 Cosmetic and Fragrance Status

- Intended as a professional perfumery raw material.
- Not intended for direct undiluted consumer use.
- Naturally occurring fragrance allergens may require declaration in finished cosmetics.
- Finished-product use requires a safety assessment.



- IFRA compliance depends on batch composition, product category and dosage.
- CAS **8030-28-2** is the primary commercial identifier used for this product.

15.3 Chemical Safety Assessment

A chemical safety assessment has not been provided for the supplied material.

SECTION 16: OTHER INFORMATION

16.1 Full Hazard Statements

- 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.

16.2 Recommended Shelf Life

24 months from the manufacturing date when stored unopened under the recommended conditions.

16.3 Storage Recommendation

Store at **5–20°C** in a tightly sealed original container, protected from sunlight, excessive heat, air and moisture.

16.4 Document Information

Document Detail	Information
Document Type	Material Safety Data Sheet
Product	Orange Blossom Absolute – Egypt
CAS Number	8030-28-2
Version	1.1
Issue Date	22 July 2026
Supersedes	Previous identification version

16.5 Disclaimer

This Safety Data Sheet has been prepared using representative technical, botanical and safety information for Egyptian Orange Blossom Absolute identified commercially under CAS 8030-28-2.



No original manufacturer SDS, batch-specific GC/MS analysis, quantitative allergen report, residual-solvent report, flash-point certificate or transport declaration was supplied. Accordingly:

- The CLP classification is representative.
- Physical and analytical values are indicative.
- Transport status must be confirmed before shipment.
- IFRA and cosmetic compliance are not established by this document.
- Final classification must be reviewed against the actual batch composition.
- Users must determine suitability, safe dosage and legal compliance for their intended application.

This information is provided as guidance for safe handling, storage, transport and professional use. It does not constitute a warranty, batch Certificate of Analysis or finished-product safety assessment.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC