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	Osmanthus Absolute
Botanical Name	*Osmanthus fragrans* Lour.
INCI Name	Osmanthus Fragrans Flower Extract
Product Type	Natural Floral Absolute / Natural Complex Substance
Plant Part	Flowers
Extraction Method	Solvent extraction followed by ethanolic purification
CAS Number	68917-05-5
EC Number	296-209-1
FEMA Number	3750
Country of Origin	China
Physical Form	Viscous liquid to soft semi-solid

Osmanthus Absolute is produced from the fragrant flowers of *Osmanthus fragrans*. Commercial premium material is generally obtained by solvent extraction and subsequent purification to produce a concentrated floral absolute.

1.2 Relevant Identified Uses

- Professional perfumery
- Fine fragrance manufacturing
- Cosmetic fragrance compositions
- Personal-care fragrance
- Soap and detergent fragrance
- Home fragrance
- Incense and aromatic products
- Fragrance research and development

1.3 Uses Advised Against

- Internal consumption
- Direct undiluted application to skin
- Pharmaceutical use
- Household use by children

- Food or flavour use unless separately approved
- Any use not supported by an appropriate safety assessment

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 Telephone Number

Contact the local Poison Control Centre, emergency medical services or an appropriately qualified medical professional.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Representative classification under Regulation (EC) No. 1272/2008:

Hazard Class	Classification
Skin Irritation	Category 2
Serious Eye Irritation	Category 2
Skin Sensitisation	Category 1
Hazardous to the Aquatic Environment – Chronic	Category 2

2.2 Label Elements

Signal Word

Warning

Hazard Pictograms

- GHS07 – Exclamation mark
- GHS09 – Environment

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 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.
- P333+P313: If skin irritation or rash occurs: Get medical advice.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice.
- P391: Collect spillage.
- P501: Dispose of contents and container in accordance with applicable regulations.

2.3 Other Hazards

- Natural composition may vary according to harvest, geographical origin and extraction process.
- May contain naturally occurring fragrance allergens.
- Heated product may release irritating vapours.
- Product may become thicker or semi-solid at lower temperatures.
- The product is not expected to meet the criteria for PBT or vPvB substances based on available information.
- No endocrine-disrupting properties have been established for the complete natural material.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Natural Complex Substance

Component	CAS Number	EC Number	Concentration
Osmanthus Fragrans Flower Extract	92347-21-2	296-209-1	100%

3.2 Representative Naturally Occurring Constituents

The composition of natural Osmanthus Absolute varies by batch. Representative constituents may include:

Constituent Group	Representative Status
β-Ionone	Characteristic naturally occurring constituent
α-Ionone	Naturally occurring
Dihydro-β-ionone	Naturally occurring
Linalool oxides	Naturally occurring
Linolenic acid and derivatives	Naturally occurring
Linoleic acid and derivatives	Naturally occurring
Oleic acid and derivatives	Naturally occurring
Palmitic acid derivatives	Naturally occurring
Aromatic alcohols	Naturally occurring
Carotenoid-derived ketones	Naturally occurring
Linalool	Possible naturally occurring allergen
Geraniol	Possible naturally occurring allergen
Farnesol	Possible naturally occurring allergen
Eugenol	Possible naturally occurring allergen
Isoeugenol	Possible naturally occurring allergen
Benzyl alcohol	Possible naturally occurring allergen
Coumarin	Possible naturally occurring trace constituent

The exact constituent and allergen profile must be confirmed using batch-specific GC/MS and allergen analysis.

SECTION 4: FIRST-AID MEASURES

4.1 Description of First-Aid Measures

After Inhalation

- Move the affected person to fresh air.
- Keep the person at rest in a position comfortable for breathing.
- Obtain medical attention if coughing, dizziness or respiratory discomfort persists.

After Skin Contact

- Remove contaminated clothing and footwear.
- Wash affected skin thoroughly with soap and plenty of water.
- Do not use solvents to clean the skin.

- Obtain medical advice if irritation, redness or an allergic reaction develops.

After Eye Contact

- Rinse cautiously with clean water for at least 15 minutes.
- Remove contact lenses if present and easy to do.
- Keep eyelids open during rinsing.
- Obtain medical attention if irritation persists.

After Ingestion

- Rinse mouth thoroughly with water.
- Do not induce vomiting.
- Never give anything by mouth to an unconscious person.
- Contact a physician or Poison Control Centre.

4.2 Most Important Symptoms and Effects

Possible symptoms include:

- Skin redness or irritation
- Allergic skin reaction
- Eye pain, watering or redness
- Nausea or gastrointestinal discomfort if swallowed
- Respiratory discomfort following excessive inhalation of heated vapours

4.3 Indication of Immediate Medical Attention

Treat symptomatically.

Persons with known fragrance allergies or sensitisation may require medical evaluation following significant exposure.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Use:

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

- Water fog

5.2 Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet, as this may spread the burning material.

5.3 Specific Hazards

Combustion or thermal decomposition may produce:

- Carbon monoxide
- Carbon dioxide
- Irritating organic fumes
- Dense smoke
- Unidentified decomposition products

Vapours produced by heating may form combustible mixtures with air.

5.4 Advice for Firefighters

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

- Ensure adequate ventilation.
- Avoid inhaling vapours.
- Avoid contact with skin and eyes.
- Wear protective gloves, clothing and eye protection.
- Remove ignition sources where applicable.

6.2 Environmental Precautions

- Prevent entry into drains, soil, surface water and groundwater.
- Contain significant spills.
- Notify the appropriate environmental authorities if uncontrolled release occurs.

6.3 Methods for Containment and Cleaning

- Contain the spill using sand, earth, vermiculite or another inert absorbent.
- Collect absorbed material in a suitable labelled waste container.
- Clean the affected surface with an appropriate detergent.
- Do not use solvents for general cleaning.
- Dispose of contaminated materials through an authorised waste contractor.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- Handle in a well-ventilated area.
- Avoid inhalation of vapours and prolonged skin contact.
- Wear suitable protective gloves and eye protection.
- Do not eat, drink or smoke in handling areas.
- Wash hands after handling.
- Keep containers closed when not in use.
- Use clean, dry and non-reactive dispensing equipment.
- Avoid uncontrolled environmental release.

7.2 Conditions for Safe Storage

Store:

- In the original or compatible tightly sealed container
- In a cool, dry and well-ventilated location
- Protected from direct sunlight
- Protected from air and moisture
- Away from strong oxidising agents
- Away from heat, sparks and open flames
- Preferably between **5°C and 20°C**

Gentle warming may be used to restore uniformity if the product becomes thick or semi-solid. Avoid overheating.

7.3 Specific End Uses

For professional fragrance and cosmetic formulation only.

The suitability and permitted concentration in a finished product must be established through appropriate IFRA, toxicological and cosmetic safety assessment.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

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

Exposure to vapours and aerosols should be minimised.

8.2 Engineering Controls

- Provide adequate general ventilation.
- Use local exhaust ventilation where the product is heated or handled in bulk.
- Provide an accessible eyewash station.

8.3 Personal Protective Equipment

Eye and Face Protection

Wear chemical safety glasses or goggles.

Hand Protection

Wear chemical-resistant gloves, such as:

- Nitrile rubber
- Neoprene

Replace damaged or contaminated gloves.

Skin and Body Protection

Wear suitable protective clothing to prevent repeated or prolonged contact.

Respiratory Protection

Normally not required where adequate ventilation is provided.

Use a suitable organic-vapour respirator where ventilation is inadequate or vapours are generated by heating.

Hygiene Measures

- Wash hands and exposed skin after handling.
- Remove contaminated clothing.
- Wash contaminated workwear before reuse.

Environmental Exposure Controls

Prevent uncontrolled release into drains, waterways and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Physical State	Viscous liquid to soft semi-solid
Appearance	Greenish-yellow, brownish-yellow, olive or orange-brown material
Odour	Rich floral, fruity, apricot-like, tea-like, leathery and subtly animalic
Odour Threshold	Not determined
Melting / Freezing Point	Not determined; may thicken at low temperature
Initial Boiling Point	Not determined for the natural mixture
Flammability	Combustible when strongly heated
Lower/Upper Explosive Limits	Not determined
Flash Point	Typically above 60 °C; batch-specific value required
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
pH	Not applicable
Kinematic Viscosity	Not determined
Water Solubility	Insoluble or practically insoluble
Solubility in Ethanol	Soluble or partly soluble depending on concentration
Partition Coefficient	Not determined for the complete mixture
Vapour Pressure	Low at ambient temperature
Relative Density at 20 °C	Approximately 0.900–1.000
Refractive Index at 20 °C	Approximately 1.470–1.510
Particle Characteristics	Not applicable

Values are representative and must not replace batch-specific analytical results.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactivity is expected under normal conditions of handling and storage.

10.2 Chemical Stability

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

Natural extracts may gradually oxidise when exposed to air, heat or light.

10.3 Possibility of Hazardous Reactions

Hazardous polymerisation is not expected.

Reaction may occur with strong oxidising agents.

10.4 Conditions to Avoid

Avoid:

- Excessive heat
- Direct sunlight
- Open flames
- Sparks
- Prolonged exposure to air
- Contamination
- Repeated heating and cooling

10.5 Incompatible Materials

- Strong oxidising agents
- Strong acids
- Strong alkalis
- Reactive chemicals

10.6 Hazardous Decomposition Products

Thermal decomposition may produce carbon monoxide, carbon dioxide, smoke and irritating organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Hazard Classes

Acute Toxicity

The complete natural material is not classified for acute toxicity based on representative available data.

Batch-specific toxicological information may be limited.

Skin Corrosion / Irritation

May cause skin irritation.

Serious Eye Damage / Irritation

May cause serious eye irritation.

Respiratory or Skin Sensitisation

May cause an allergic skin reaction in susceptible individuals.

Germ-Cell Mutagenicity

No classification established for the complete natural extract.

Carcinogenicity

No classification established for the complete natural extract.

Reproductive Toxicity

No classification established for the complete natural extract.

Specific Target Organ Toxicity – Single Exposure

Not classified based on available information.

Specific Target Organ Toxicity – Repeated Exposure

Not classified based on available information.

Aspiration Hazard

Not classified based on available information.

11.2 Likely Routes of Exposure

- Skin contact
- Eye contact

- Inhalation of heated vapours
- Accidental ingestion

11.3 Symptoms Related to Exposure

- Skin redness
- Itching or rash
- Eye watering and irritation
- Headache or nausea following excessive vapour exposure
- Gastrointestinal discomfort after ingestion

11.4 Endocrine-Disrupting Properties

No endocrine-disrupting properties have been established for the complete product.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

The product is classified as toxic to aquatic life with long-lasting effects based on representative supplier classifications for commercial Osmanthus Absolute.

12.2 Persistence and Degradability

The natural material may be partly biodegradable, but complete batch-specific biodegradation data are not available.

Some hydrophobic constituents may persist in the aquatic environment.

12.3 Bioaccumulative Potential

Some naturally occurring lipophilic constituents may have the potential to bioaccumulate.

12.4 Mobility in Soil

The product is poorly soluble in water and may adsorb to soil and sediment.

12.5 PBT and vPvB Assessment

The complete natural material is not expected to meet PBT or vPvB criteria based on available information.

12.6 Endocrine-Disrupting Properties

No confirmed endocrine-disrupting properties have been identified for the complete product.

12.7 Other Adverse Effects

Avoid uncontrolled release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- Dispose of unused product through an authorised chemical-waste contractor.
- Do not discharge into drains, waterways or soil.
- Incineration may be appropriate where legally permitted.
- Dispose of contaminated absorbents as chemical waste.
- Empty containers may retain product residues and vapours.

13.2 Contaminated Packaging

Dispose of or recycle packaging in accordance with local regulations after adequate cleaning.

Do not reuse contaminated containers for food, beverages or household purposes.

SECTION 14: TRANSPORT INFORMATION

Representative transport classification:

Transport Information	Details
UN Number	UN 3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name	Contains ionone derivatives / environmentally hazardous natural constituents
Transport Hazard Class	9
Packing Group	III
Environmental Hazard	Yes

Marine Pollutant	Yes, where applicable
Tunnel Restriction Code	E
EmS Code	F-A, S-F
Bulk Transport	Not intended for bulk transport

Commercial Osmanthus Absolute SDS documentation may classify the material as UN 3082, Class 9, Packing Group III because of environmentally hazardous naturally occurring constituents. Transport classification must be confirmed against the actual supplier SDS and batch composition before dispatch.

SECTION 15: REGULATORY INFORMATION

15.1 Applicable Regulations

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 on cosmetic products
- Regulation (EU) 2023/1545 regarding fragrance-allergen labelling
- Current IFRA Standards
- Applicable ADR, RID, IMDG and IATA transport requirements

15.2 Chemical Safety Assessment

A formal chemical safety assessment has not been performed by Aromology Trading LLC for the complete natural extract.

Finished-product manufacturers are responsible for:

- Verifying batch composition
- Reviewing the original manufacturer's SDS
- Calculating IFRA restrictions
- Determining EU allergen labelling
- Performing the finished cosmetic-product safety assessment

SECTION 16: OTHER INFORMATION

16.1 Full Text of 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 Abbreviations

Abbreviation	Meaning
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulation
EC	European Community
GC/MS	Gas Chromatography–Mass Spectrometry
IATA	International Air Transport Association
IFRA	International Fragrance Association
IMDG	International Maritime Dangerous Goods Code
NCS	Natural Complex Substance
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
vPvB	Very Persistent and Very Bioaccumulative

16.3 Storage Life

Recommended shelf life:

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

16.4 Issue Date

22 July 2026

16.5 Revision

Version 1.0

DISCLAIMER

This Safety Data Sheet has been prepared using representative regulatory, botanical and commercial safety information for Osmanthus Absolute.

Osmanthus Absolute is a Natural Complex Substance whose composition and hazard classification may vary according to:

- Botanical variety
- Geographical origin
- Harvest conditions
- Extraction process
- Purification method
- Storage conditions
- Individual production batch

The original manufacturer's current batch-specific Safety Data Sheet, Certificate of Analysis, GC/MS report, IFRA statement and allergen declaration must take precedence where available.

The product is supplied exclusively as a professional perfumery raw material. It is not intended for internal consumption or direct undiluted application.

Aromology Trading LLC accepts no responsibility for inappropriate handling, formulation, storage or use outside the recommended professional applications.

AUTHORISED BY
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