



SAFETY DATA SHEET (SDS)

Product Name: Alpha Ionone Natural
Chemical Name: Alpha Ionone (Natural)
Synonyms: α -Ionone, Alpha-Ionone
CAS Number: 127-41-3
EC Number: 204-840-0
FEMA Number: 2593
Molecular Formula: $C_{13}H_{20}O$
Molecular Weight: 192.30 g/mol
Product Type: Natural Aroma Chemical
Source: Naturally isolated from botanical sources including carotenoid-derived essential oils.
Recommended Use: Fragrance ingredient for perfumery, cosmetic and personal care applications.
Supplier: Aromology Trading LLC
Issue Date: 10 September 2025
Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Alpha Ionone Natural
Chemical Name: Alpha Ionone
CAS Number: 127-41-3
Recommended Use: Perfumery, cosmetics, fragrance manufacture and laboratory use.
Address: G05 Al Ghazal Building, Nadd Al Hamar, Dubai, United Arab Emirates
Email: info@aromology.com
Website: www.aromology.com
Emergency Telephone: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Hazard Class	Category
Skin Irritation	Category 2
Eye Irritation	Category 2A
Skin Sensitisation	Category 1
Aquatic Chronic Toxicity	Category 2

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.

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves 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.

P391 Collect spillage.

P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Alpha Ionone (Natural)	127-41-3	≥98%

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 immediately with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth.

Do not induce vomiting.

Seek medical advice if discomfort occurs.

Symptoms

Skin irritation.

Eye irritation.

Possible allergic skin reaction.

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.

Organic decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ensure adequate ventilation.

Prevent release into drains and waterways.

Absorb using inert absorbent material.

Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid skin and eye contact.

Avoid breathing vapours.

Use with adequate ventilation.

Observe good industrial hygiene practices.

Storage

Store below **25°C**.

Keep container tightly closed.

Protect from light, air and moisture.

Store away from oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



Exposure Limits

No occupational exposure limits established.

Engineering Controls

General mechanical ventilation.

Eye Protection

Chemical safety goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear colourless to pale yellow liquid
Odour	Woody, violet, raspberry, floral, cedarwood, orris
Boiling Point	125–130 °C (at reduced pressure)
Flash Point	Approximately 110 °C
Relative Density @20 °C	0.930–0.940
Refractive Index @20 °C	1.4980–1.5050
Solubility	Insoluble in water; soluble in ethanol and perfumery solvents

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions.

Chemical Stability

Stable under normal conditions.



Conditions to Avoid

Heat.

Strong oxidising agents.

Direct sunlight.

Hazardous Decomposition Products

Carbon monoxide.

Carbon dioxide.

Organic decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Effects

May cause skin irritation.

May cause eye irritation.

May cause allergic skin reaction.

SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.



SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers according to local and national regulations.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Regulated
Packing Group	Not Applicable
Marine Pollutant	No

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
 - IFRA Standards (51st Amendment)
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SECTION 16: OTHER INFORMATION

This Safety Data Sheet provides guidance for the safe handling, storage and use of Alpha Ionone Natural in perfumery, cosmetic and personal care applications.

Alpha Ionone Natural is a naturally derived norisoprenoid valued for its elegant violet, raspberry, woody, cedarwood and orris character. It is widely used in fine fragrances, floral accords, berry accords and woody compositions where natural violet nuances are desired.



Prepared By:

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Company: Aromology Trading LLC

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