



SAFETY DATA SHEET (SDS)

Supplier

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Product Information

Product Information

Product Name	Ionone Beta Natural
Chemical Name	β -Ionone (Natural)
CAS Number	14901-07-6
EC Number	238-969-9
FEMA Number	2592
Molecular Formula	$C_{13}H_{20}O$
Molecular Weight	192.30 g/mol
Source	Naturally derived (typically isolated from plant-derived carotenoid degradation products)
Intended Use	Perfumery Raw Material
Issue Date	30 June 2026
Revision	1.0

SECTION 1 – Identification

Product Identifier

Ionone Beta Natural

Synonyms

- β -Ionone Natural
- Natural Beta-Ionone



Recommended Use

Professional fragrance ingredient for perfume manufacture.

Emergency Contact

Refer to local poison centre or emergency medical services.

SECTION 2 – Hazard Identification

GHS Classification

- Skin Sensitisation – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 2

Signal Word

Warning

Hazard Statements

- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours or mist.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- 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/attention.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 – Composition / Information on Ingredients

Component	CAS Number	EC Number	Concentration
β-Ionone (Natural)	14901-07-6	238-969-9	≥98%



SECTION 4 – First Aid Measures

Exposure	First Aid
Eyes	Flush immediately with clean water for at least 15 minutes. Seek medical attention if irritation persists.
Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if sensitisation develops.
Inhalation	Remove affected person to fresh air. Obtain medical advice if symptoms occur.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 – Fire Fighting Measures

Item	Recommendation
Suitable Extinguishing Media	Carbon dioxide, dry chemical powder, alcohol-resistant foam, water spray
Hazardous Combustion Products	Carbon monoxide, carbon dioxide
Protective Equipment	Self-contained breathing apparatus and protective clothing

SECTION 6 – Accidental Release Measures

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Prevent release into drains, waterways and soil.

Absorb using inert absorbent material and place into suitable containers for disposal.

SECTION 7 – Handling and Storage

Handling	Storage
Avoid inhalation of vapours and prolonged skin contact. Use suitable ventilation.	Store tightly closed in a cool, dry, well-ventilated area away from direct sunlight, heat and strong oxidizing agents. Recommended storage temperature: 15–25 °C.

SECTION 8 – Exposure Controls / Personal Protection



Item	Recommendation
Engineering Controls	Adequate local ventilation
Eye Protection	Chemical safety goggles
Hand Protection	Chemical-resistant nitrile gloves
Respiratory Protection	Normally not required under adequate ventilation

SECTION 9 – Physical and Chemical Properties

Property	Specification
Appearance	Clear pale yellow to amber liquid
Odour	Powerful violet, woody, fruity, floral
Relative Density (20 °C)	0.944–0.954
Refractive Index (20 °C)	1.5180–1.5230
Flash Point	Approximately 113 °C
Boiling Point	Approximately 285 °C
Water Solubility	Practically insoluble
Solubility	Soluble in ethanol and perfume solvents

SECTION 10 – Stability and Reactivity

Stable under recommended storage conditions.

Avoid excessive heat, open flames and strong oxidizing agents.

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11 – Toxicological Information

Likely routes of exposure:

- Skin
- Eyes
- Inhalation
- Ingestion

May cause allergic skin reaction in susceptible individuals.



No known carcinogenic, mutagenic or reproductive effects under normal conditions of professional use.

SECTION 12 – Ecological Information

Toxic to aquatic life with long lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13 – Disposal Considerations

Dispose of contents and containers in accordance with applicable local, regional and national regulations.

SECTION 14 – Transport Information

Item	Classification
UN Number	UN 3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Marine Pollutant	Yes

SECTION 15 – Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - CLP Regulation (EC) No. 1272/2008
 - REACH Regulation (EC) No. 1907/2006
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SECTION 16 – Other Information



This Safety Data Sheet has been prepared for the professional handling of Ionone Beta Natural and is intended solely for use as a perfumery raw material.

Authorized by

Fozia Khot
Director
Aromology Trading LLC