



SAFETY DATA SHEET (SDS)

Supplier

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Manufacturer

BASF SE

Product Information

Product Information

Product Name	Ionone Beta
Manufacturer	BASF SE
Chemical Name	β -Ionone
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
Intended Use	Perfumery Raw Material
Issue Date	30 June 2026
Revision	1.0

SECTION 1 – Identification

Product Identifier

Ionone Beta – BASF

Synonyms

- β -Ionone
- 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	14901-07-6	238-969-9	≥99%



SECTION 4 – First Aid Measures

Exposure

First Aid

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

SECTION 5 – Fire Fighting Measures

Item	Recommendation
Suitable Extinguishing Media	Carbon dioxide, dry chemical, 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.

Provide adequate ventilation.

Prevent release into drains, waterways and soil.

Absorb with inert absorbent material such as sand or vermiculite and collect into suitable disposal containers.

SECTION 7 – Handling and Storage

Handling	Storage
Avoid inhalation of vapours and skin contact. Ensure adequate ventilation.	Store tightly closed in a cool, dry, well-ventilated place away from direct sunlight, heat and 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	Nitrile or chemical-resistant 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	Woody, violet, floral, fruity
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:

- Heat
- Open flames
- 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.

Avoid prolonged or repeated exposure.

SECTION 12 – Ecological Information

Toxic to aquatic life with long lasting effects.

Prevent release into drains, waterways and soil.

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 (BASF) and is intended solely for use as a perfumery raw material. Users are responsible for ensuring compliance with all applicable regulations.

Authorized by

Fozia Khot
Director
Aromology Trading LLC