



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS), Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), and UAE GSO requirements

SAFETY DATA SHEET

β-Damascone (Beta Damascone)

Document Information

Product Name	Beta Damascone
Chemical Name	β-Damascone
IUPAC Name	(E)-1-(2,6,6-Trimethylcyclohex-1-en-1-yl)but-2-en-1-one
CAS Number	23726-91-2
EC Number	245-842-1
FEMA Number	3243
INCI Name	Damascone
Product Type	Aroma Chemical
Revision	2.0
Issue Date	29 June 2026

SECTION 1: Identification

1.1 Product Identifier

Product Name: Beta Damascone

Chemical Name: β-Damascone

CAS Number: 23726-91-2

EC Number: 245-842-1

INCI Name: Damascone

1.2 Recommended Use

Raw material for:

- Fine Fragrance



- Cosmetics
- Personal Care Products
- Soap
- Candles
- Home Fragrance
- Professional Perfumery Applications

β -Damascone is a high-impact rose ketone widely used to impart rose, blackcurrant, plum, tobacco, honey and fruity floral nuances in fragrance compositions.

1.3 Restrictions on Use

For industrial and professional use only.

Not intended for direct consumer use or ingestion.

Supplier

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SECTION 2: Hazard Identification

GHS Classification

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



Signal Word

WARNING

Hazard Statements

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.
- P272 Contaminated work clothing should not leave 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.
- 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	EC Number	Concentration
β-Damascone	23726-91-2	245-842-1	≥98%

SECTION 4: First Aid Measures

Eye Contact

Immediately rinse with clean water for at least 15 minutes.

Seek medical attention if irritation persists.



Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical advice if skin sensitisation develops.

Inhalation

Move the affected person to fresh air.

Seek medical attention if symptoms persist.

Ingestion

Rinse mouth.

Do not induce vomiting.

Seek immediate medical advice.

Most Important Symptoms

- Allergic skin reaction
 - Eye irritation
 - Mild respiratory irritation
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SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

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

Unsuitable



Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide

Protective Equipment

Self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Wear appropriate PPE.

Prevent entry into drains and waterways.

Absorb using inert absorbent material.

Transfer to suitable disposal containers.

SECTION 7: Handling and Storage

Handling

Avoid skin and eye contact.

Avoid breathing vapours.

Use only with adequate ventilation.

Maintain good industrial hygiene.

Storage

Store:

- Cool
- Dry



- Well ventilated

Keep container tightly closed.

Recommended storage temperature:

15–25°C

Protect from:

- Heat
- Direct sunlight
- Strong oxidising agents

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Nitrile gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Protective Clothing

Chemical-resistant protective clothing.

SECTION 9: Physical and Chemical Properties

Property		Value
Appearance		Clear liquid
Colour		Colourless to pale yellow



Property	Value
Odour	Powerful fruity, rose, blackcurrant, plum, honey, tobacco
Physical State	Liquid
Molecular Formula	$C_{13}H_{20}O$
Molecular Weight	192.30 g/mol
Relative Density (20 °C)	Approx. 0.934
Refractive Index (20 °C)	Approx. 1.505–1.515
Flash Point	Approx. 110 °C
Water Solubility	Practically insoluble
Solubility	Soluble in ethanol and most organic solvents

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid

- Strong oxidising agents
- Heat
- Open flames

Hazardous Decomposition Products

- Carbon monoxide
 - Carbon dioxide
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SECTION 11: Toxicological Information

Acute Toxicity

Low acute toxicity under normal handling conditions.

Skin Contact

May cause allergic skin reaction.

Eye Contact

Causes eye irritation.



Carcinogenicity

Not classified.

Mutagenicity

Not classified.

Reproductive Toxicity

Not classified.

SECTION 12: Ecological Information

Ecotoxicity

Toxic to aquatic organisms with long-lasting effects.

Persistence

Expected to be biodegradable.

Bioaccumulation

Moderate potential.

Avoid uncontrolled release into the environment.

SECTION 13: Disposal Considerations

Dispose through an authorised waste disposal contractor.

Do not discharge into drains or waterways.

Dispose of packaging according to local regulations.

SECTION 14: Transport Information

Item

Information



Item	Information
UN Number	Not regulated*
Proper Shipping Name	Not regulated*
Transport Hazard Class	Not applicable*
Packing Group	Not applicable*
Marine Pollutant	Refer to applicable transport regulations

*Verify transport classification with the latest manufacturer SDS before shipment.

SECTION 15: Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EC) No. 1272/2008 (CLP)
 - UAE GSO Chemical Safety Requirements
 - IFRA Guidance
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SECTION 16: Other Information

Intended Use

This material is supplied exclusively as a fragrance raw material for industrial, cosmetic, personal care, home fragrance and professional perfumery applications.

β -Damascone belongs to the rose ketone family and is valued for its exceptionally powerful rose, blackcurrant, plum and tobacco character, even at extremely low concentrations.

Disclaimer

The information contained in this Safety Data Sheet is based on current scientific knowledge and available technical information for β -Damascone (CAS No. 23726-91-2). It is intended solely as guidance for the safe handling, storage, transportation, use and disposal of the product. Users are responsible for ensuring compliance with all applicable regulations and determining the suitability of this material for their intended application.



Authorized By

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