

Material Safety Data Sheet

Damascone Beta

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Damascone Beta

Chemical Name: (E)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one

Synonyms: Beta-Damascone, (E)- β -Damascone, Trans-Beta-Damascone

CAS No.: 23726-91-2

EC / EINECS No.: 245-842-1

Molecular Formula: C₁₃H₂₀O

Molecular Weight: 192.30 g/mol

Grade: Cosmetic & Perfumery / Fragrance Grade

Country of Origin: India

Grade: Cosmetic / Perfumery Grade

Recommended Use: Fragrance and perfumery ingredient; cosmetic and personal-care raw material.

Supplier: Botanic Planet Canada Inc.

Address: 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada

Telephone number: 905-455-4444

Emergency phone number (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification:

- Skin Irritation — Category 2
- Skin Sensitization — Category 1B
- Hazardous to the Aquatic Environment, Chronic — Category 2

Signal Word: WARNING



Hazard Statements:

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

GHS Pictograms: GHS07 — Exclamation Mark; GHS09 — Environmental Hazard. These classifications are reported in a current 2026 supplier SDS and are consistent with commercial safety data; ECHA notifications also strongly support skin sensitization, although classifications can vary between notifications.

Precautionary Statements: Avoid breathing vapours, mist or spray. Avoid release to the environment. Wear protective gloves and appropriate eye protection. If skin irritation or rash occurs, obtain medical advice. Dispose of contents/container according to applicable regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Concentration
Beta-Damascone	23726-91-2	245-842-1	98%

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move the affected person to fresh air. Obtain medical attention if symptoms persist.

Skin Contact: Remove contaminated clothing and rinse skin thoroughly with water. Wash contaminated clothing before reuse. Seek medical advice if irritation or rash develops.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and obtain medical advice if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting unless instructed by medical personnel. Seek medical attention if symptoms occur.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO₂), alcohol-resistant foam or water fog.

Specific Hazards: Combustible organic liquid. Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide and irritating fumes.

Flash Point: Approximately 100°C (212°F), closed cup is reported for commercial β-Damascone.

Firefighters should use suitable protective equipment and self-contained breathing apparatus where appropriate.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate gloves and protective equipment. Ensure adequate ventilation and avoid breathing vapour or mist.

Prevent the product from entering drains, surface water or soil because of its aquatic environmental hazard.

Contain spills with inert absorbent material such as sand or vermiculite. Collect into a suitable closed container for disposal.

SECTION 7 – HANDLING AND STORAGE

Avoid contact with skin and eyes. Avoid inhalation of vapours or mist. Use with adequate ventilation. Keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated area, protected from excessive heat, direct sunlight and incompatible materials.

Keep away from strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Adequate general or local exhaust ventilation.

Eye Protection: Safety glasses or chemical splash goggles.

Hand Protection: Chemical-resistant protective gloves.

Skin Protection: Suitable protective clothing where repeated or bulk exposure may occur.

Respiratory Protection: Normally unnecessary with adequate ventilation; use suitable respiratory protection where ventilation is insufficient or excessive vapour/mist exposure may occur.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Physical State	Liquid
Appearance	Colorless to pale yellow liquid
Odor	Characteristic, strong fruity/floral/rosy odor
Molecular Formula	$C_{13}H_{20}O$
Molecular Weight	192.30 g/mol
Flash Point	Approx. 100°C / 212°F, closed cup
Water Solubility	Low / practically insoluble

Property	Information
CAS No.	23726-91-2
EC No.	245-842-1

The molecular formula and molecular weight are confirmed by PubChem; the 100°C closed-cup flash point is reported by a commercial safety reference.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Excessive heat, ignition sources and prolonged exposure to unsuitable storage conditions.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and irritating organic fumes may be generated during combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin: Causes skin irritation.

Sensitization: May cause an allergic skin reaction.

Inhalation: Concentrated vapour or mist may cause discomfort or irritation.

Eye Contact: Direct contact may cause irritation.

Ingestion: May cause adverse effects if swallowed.

A 2026 supplier SDS reports an oral LD₅₀ estimate of 2,920 mg/kg.

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Hazard: Toxic to aquatic life with long lasting effects (H411).

Avoid release of concentrated material to the environment, waterways and drains.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents, contaminated absorbent material and containers in accordance with applicable federal, provincial and municipal regulations.

Do not discharge concentrated product into drains or natural waterways.

SECTION 14 – TRANSPORT INFORMATION

Because transport classifications can depend on the supplied grade, concentration, packaging and jurisdiction, the UN number, transport hazard class and packing group should be taken from the

current manufacturer/supplier transport SDS for the specific material supplied rather than inferred from the chemical name alone.

SECTION 15 – REGULATORY INFORMATION

ECHA identifies β -Damascone, CAS 23726-91-2, EC 245-842-1, as a REACH-registered substance and also identifies it in the context of the EU Cosmetics Regulation Annex III.

Use in finished fragrance and cosmetic products should comply with applicable IFRA Standards and cosmetic fragrance-allergen requirements for the intended product category and market.

SECTION 16 – OTHER INFORMATION

Product: Damascone Beta

CAS: 23726-91-2

EC: 245-842-1

Formula: $C_{13}H_{20}O$

Molecular Weight: 192.30 g/mol

Signal Word: Warning

Hazard Statements: H315, H317, H411

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing contained herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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