

Material Safety Data Sheet

Delta Damascone

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Delta Damascone

Synonym: δ -Damascone

Chemical Name: (E)-1-(2,6,6-Trimethylcyclohex-3-en-1-yl)but-2-en-1-one

CAS No.: 57378-68-4

EC No.: 260-709-8

Molecular Formula: C₁₃H₂₀O

Molecular Weight: 192.30 g/mol

Grade: Cosmetic / Perfumery Grade

Recommended Use: Fragrance and perfumery raw material

Country of Origin: India

Grade: Cosmetic / Perfumery Grade

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:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long-lasting effects.

Precautionary Statements: Avoid breathing vapour or mist. Wash thoroughly after handling. Wear protective gloves and eye protection. Avoid release to the environment. Do not eat, drink or smoke when using this product.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Concentration
Delta Damascone	57378-68-4	260-709-8	Up to 100%

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move affected person to fresh air. Keep at rest and seek medical advice if symptoms occur.

Skin Contact: Remove contaminated clothing. Wash thoroughly with soap and water. Obtain medical attention if irritation or sensitization develops.

Eye Contact: Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if easily possible. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Contact a physician or poison centre.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide (CO₂), dry chemical or foam.

Unsuitable Media: Avoid a direct water jet on burning material.

Special Hazards: Combustion may produce irritating or harmful fumes, including carbon oxides.

Flash Point: approximately 94°C (201°F) in one supplier SDS; another commercial specification reports 94°C / 212°F depending test/specification reporting. Because test methods and supplied grades can differ, the supplier's batch/product SDS should control.

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus where necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate gloves and eye protection. Provide adequate ventilation and remove ignition sources.

Contain the spill with suitable inert absorbent material. Transfer collected material to an appropriate closed waste container.

Do not allow concentrated material to enter drains, soil or waterways because Delta Damascone is highly hazardous to aquatic organisms.

SECTION 7 – HANDLING AND STORAGE

Avoid contact with skin and eyes. Avoid breathing vapours or mist. Use with adequate ventilation. Keep container tightly closed when not in use.

Store in a cool, dry and well-ventilated location, protected from direct sunlight, excessive heat and ignition sources. Keep away from incompatible materials such as strong acids, strong bases and oxidizing materials.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Adequate general or local exhaust ventilation.

Eye Protection: Chemical safety glasses or goggles.

Hand Protection: Chemical-resistant protective gloves.

Skin Protection: Suitable protective clothing.

Respiratory Protection: Use suitable respiratory protection when ventilation is inadequate or significant vapour/aerosol exposure is possible.

Wash hands thoroughly after handling. Do not eat, drink or smoke while handling the raw material.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Physical State	Liquid
Appearance	Colorless to pale yellow clear liquid
Odor	Characteristic, powerful floral/fruity
Molecular Formula	$C_{13}H_{20}O$
Molecular Weight	192.30 g/mol
Specific Gravity	Approx. 0.927–0.935 @ 20°C
Refractive Index	Approx. 1.485–1.502 @ 20°C
Flash Point	Approx. 94°C, supplier/method dependent
Water Solubility	Very low / practically insoluble
Alcohol Solubility	Soluble

Physical-property references report specific gravity around 0.927–0.935 at 20°C and refractive index around 1.485–1.502.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal recommended storage conditions.

Conditions to Avoid: Excessive heat, direct sunlight and ignition sources.

Incompatible Materials: Strong oxidizing agents, strong acids and strong bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and other irritating decomposition products may be produced during combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: Harmful if swallowed.

Skin: Causes skin irritation.

Sensitization: May cause an allergic skin reaction.

Avoid repeated or prolonged exposure to concentrated raw material.

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Acute: Category 1

Aquatic Chronic: Category 1

H410 – Very toxic to aquatic life with long-lasting effects.

Prevent release of concentrated Delta Damascone into waterways, drains or the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of product, contaminated absorbents and packaging in accordance with applicable federal, provincial and local regulations.

Do not discharge concentrated product into drains, surface water or soil.

SECTION 14 – TRANSPORT INFORMATION

Transport classification should be taken from the current SDS for the exact commercial material supplied, particularly because transport classifications and environmental-hazard thresholds can depend on composition and jurisdiction.

A commercial reference identifies Delta Damascone as UN 3082, Class 9, Packing Group III, but this should be verified against the manufacturer's current transport documentation before shipping.

SECTION 15 – REGULATORY INFORMATION

CAS: 57378-68-4

EC: 260-709-8

Delta Damascone is used as a fragrance/aromatic raw material. Finished-product manufacturers are responsible for ensuring compliance with applicable cosmetic legislation, fragrance-allergen requirements and the current IFRA Standard for the intended product category.

SECTION 16 – OTHER INFORMATION

Product: Delta Damascone

CAS: 57378-68-4

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

Molecular Weight: 192.30 g/mol

Grade: Cosmetic / Perfumery Grade



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 container 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.

Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada

Email: info@botanicplanet.ca www.botanicplanet.ca