

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Coumarin

INCI Name: Coumarin

Chemical Name: 2H-1-Benzopyran-2-one

CAS No.: 91-64-5

Molecular Formula: C₉H₆O₂

Molecular Weight: 146.14 g/mol

Product Type: Aroma Chemical / Fragrance Ingredient

Recommended Use: Perfumery and cosmetic fragrance applications

Origin: India

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 Signal Word: Warning

Primary Hazards:

- May cause an allergic skin reaction.
- Avoid contact with eyes.
- Avoid breathing dust.
- Avoid prolonged or repeated skin contact.

Precautionary Statements:

- Wear suitable protective gloves and eye protection.
- Avoid breathing dust.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- If skin irritation or rash occurs, obtain medical advice.
- Keep out of reach of children.

Important: Final WHMIS/GHS classification should be verified against the manufacturer's current SDS for the specific Coumarin supplied.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Concentration
Coumarin	91-64-5	≥99.0%*

SECTION 4. FIRST-AID MEASURES

Eye Contact: Immediately rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. If irritation or skin rash develops, seek medical attention.

Inhalation: Move affected person to fresh air. Keep comfortable for breathing. Obtain medical attention if symptoms persist.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting unless instructed by medical personnel. Seek medical advice if unwell.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray, dry chemical, carbon dioxide (CO₂), or appropriate foam.

Specific Hazards: Combustible organic material. Dust may be generated during handling.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide and irritating fumes may be produced during combustion.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Avoid generating dust.

Wear appropriate gloves, protective clothing and eye protection.

Carefully sweep or collect spilled material into a suitable closed container.

Avoid allowing concentrated material to enter drains, waterways or soil.

Clean contaminated surfaces thoroughly after material has been collected.

SECTION 7. HANDLING AND STORAGE

Handling

Use in a well-ventilated area.

Avoid:

- Breathing dust
- Eye contact
- Prolonged or repeated skin contact
- Eating or drinking while handling the material

Wash hands thoroughly after handling.

Storage

Store in a cool, dry and well-ventilated area.

Keep container tightly closed.

Protect from:

- Direct sunlight
- Excessive heat
- Moisture
- Strong oxidizing materials

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide adequate general or local ventilation.

Eye Protection: Safety glasses or chemical safety goggles.

Hand Protection: Suitable chemical-resistant protective gloves.

Skin Protection: Appropriate protective clothing when handling bulk quantities.

Respiratory Protection: Avoid breathing dust. Appropriate respiratory protection should be used where ventilation is insufficient or significant airborne dust is generated.

General Hygiene: Wash hands after handling and before eating, drinking or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Appearance	White to off-white crystalline powder/crystals
Odor	Sweet, warm, hay-like, tonka/vanilla-like
Molecular Formula	C ₉ H ₆ O ₂
Molecular Weight	146.14 g/mol
Melting Point	Approximately 68–72°C*
Water Solubility	Slightly soluble
Alcohol Solubility	Soluble

Property	Information
Assay	≥99.0%*
pH	Not applicable / not established

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal recommended storage and handling conditions.

Conditions to Avoid: Excessive heat, direct sunlight, moisture and conditions that generate excessive dust.

Incompatible Materials: Strong oxidizing agents.

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

Hazardous Polymerization: Not expected under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

- Skin contact
- Eye contact
- Inhalation of dust
- Accidental ingestion

Skin: May cause an allergic skin reaction in susceptible individuals.

Eyes: Dust may cause mechanical irritation.

Inhalation: Dust may irritate the respiratory tract.

Ingestion: Not intended for ingestion.

Detailed batch-specific toxicological values were not supplied.

SECTION 12. ECOLOGICAL INFORMATION

Avoid uncontrolled release of concentrated Coumarin into the environment.

Ecotoxicity: Manufacturer-specific data not supplied.

Persistence and Degradability: Data not supplied.

Bioaccumulative Potential: Data not supplied.

Mobility in Soil: Data not supplied.

Environmental classification should be verified using the manufacturer's current SDS.

SECTION 13. DISPOSAL CONSIDERATIONS

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

Do not dispose of significant quantities into drains, sewers, soil or natural waterways.

SECTION 14. TRANSPORT INFORMATION

Manufacturer-specific transportation documentation was not provided.

UN Number: To be confirmed

UN Proper Shipping Name: To be confirmed

Transport Hazard Class: To be confirmed

Packing Group: To be confirmed

Confirm applicable TDG, DOT, IMDG and IATA requirements against the manufacturer's current SDS before commercial transportation.

SECTION 15. REGULATORY INFORMATION

INCI: Coumarin

CAS No.: 91-64-5

Use: Aroma chemical / fragrance ingredient

Coumarin is a fragrance material that may be subject to fragrance-allergen declaration requirements depending on the jurisdiction and concentration in the finished cosmetic product.

The current IFRA documentation and applicable cosmetic regulations should be consulted when determining permitted use levels and labeling requirements for the finished product.

SECTION 16. OTHER INFORMATION

Product: Coumarin

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.

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

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