

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Geraniol

INCI Name Geraniol

Chemical Name 3,7-Dimethyl-2,6-octadien-1-ol

CAS No. 106-24-1

EC No. 203-377-1

Molecular Formula C₁₀H₁₈O

Molecular Weight 154.25 g/mol

Recommended Use Aroma chemical; perfumery, fragrance and cosmetic formulations

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 Classification

Skin Irritation – Category 2

Serious Eye Damage – Category 1

Skin Sensitization – Category 1

Signal Word

DANGER



Signal Word

WARNING

GHS Pictogram



H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

Precautionary Statements

P261 – Avoid breathing mist/vapours/spray.

P264 – Wash thoroughly after handling.

P272 – Contaminated work clothing should not be allowed out of the workplace.

P280 – Wear protective gloves/eye protection/face protection.

P302+P352 – IF ON SKIN: Wash with plenty of water.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTRE/doctor

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC No.	Concentration
Geraniol	106-24-1	203-377-1	≥98%

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. Obtain immediate medical attention.

Skin Contact: Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation or allergic reaction develops, obtain medical attention.

Inhalation: Move the affected person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist.

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

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂) or water spray.

Specific Hazards: Combustible organic liquid. Heating may generate irritating vapours.

Hazardous Combustion Products: Carbon monoxide and carbon dioxide.

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapours or mist.

Wear appropriate gloves and eye/face protection.

Contain spilled material and absorb with sand, vermiculite or another inert absorbent.

Transfer collected material into an appropriate closed container for disposal.

Prevent concentrated product from entering drains, soil or waterways.

SECTION 7 – HANDLING AND STORAGE

Handle in a well-ventilated area.

Avoid contact with eyes, skin and clothing. Avoid breathing vapours or mist.

Keep container tightly closed when not in use.

Store in a cool, dry and well-ventilated area away from direct sunlight and excessive heat.

Keep away from strong oxidizing agents and ignition sources.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection	Recommendation
Eye/Face Protection	Chemical safety goggles; face protection where splash risk exists
Hand Protection	Suitable chemical-resistant gloves
Skin Protection	Appropriate protective clothing
Respiratory Protection	Normally not required with adequate ventilation; use suitable protection if vapour/mist exposure is significant
Ventilation	Adequate general/local exhaust ventilation
Hygiene	Wash hands thoroughly after handling

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
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Appearance	Clear, colorless to pale yellow liquid
Odor	Sweet, floral, rose-like
Molecular Formula	C ₁₀ H ₁₈ O
Molecular Weight	154.25 g/mol
Specific Gravity @ 20°C	Approx. 0.878–0.885*
Refractive Index @ 20°C	Approx. 1.474–1.478*
Boiling Point	Approx. 229–230°C*
Flash Point	Approx. 100°C*
Water Solubility	Slightly soluble / practically insoluble
Solubility in Alcohol	Soluble

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No hazardous reaction expected under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Excessive heat, flames, sparks and prolonged exposure to air/light.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide may form during combustion.

Hazardous Polymerization: Not expected.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin contact, eye contact, ingestion and inhalation of vapour/mist.

Skin: Causes skin irritation.

Eyes: Risk of serious eye damage.

Sensitization: May cause an allergic skin reaction.

Inhalation: Vapour or mist may cause irritation at elevated concentrations.

Ingestion: May cause gastrointestinal discomfort if swallowed.

SECTION 12 – ECOLOGICAL INFORMATION

Avoid uncontrolled release into the environment.

Geraniol should not be discharged in concentrated form into drains, groundwater, surface water or soil.

Complete aquatic toxicity and environmental classification should be taken from the manufacturer's current SDS for the specific grade supplied.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

Do not dispose of concentrated product into drains or waterways.

Containers may retain product residue and should be handled accordingly.

SECTION 14 – TRANSPORT INFORMATION

Transport classification can vary with the exact product grade, concentration, packaging and jurisdiction.

Regulation	Classification
TDG – Canada	Verify supplier SDS
IATA / ICAO	Verify supplier SDS
IMDG	Verify supplier SDS
UN Number	Verify supplier SDS

SECTION 15 – REGULATORY INFORMATION

Geraniol is a well-known fragrance ingredient and fragrance allergen and may be subject to declaration or concentration requirements depending on the finished product and market.

Finished-product manufacturers should evaluate applicable:

- Health Canada cosmetic requirements
- IFRA Standards
- EU cosmetic/fragrance-allergen requirements
- WHMIS requirements
- Other applicable national and international regulations

SECTION 16 – OTHER INFORMATION

Product: Geraniol

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.c