

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Citral
INCI Name Citral
Chemical Name 3,7-Dimethyl-2,6-octadienal
CAS No. 5392-40-5
EC No. 226-394-6
Molecular Formula C₁₀H₁₆O
Molecular Weight 152.24 g/mol
Product Type Aroma Chemical / Fragrance Ingredient

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
Citral	5392-40-5	226-394-6	≥95%

Composition Note: Citral generally consists primarily of the geometric isomers Geranial (Citral A) and Neral (Citral B).

SECTION 4 – FIRST-AID MEASURES

Eye Contact: 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: Remove contaminated clothing. Wash affected skin thoroughly with soap and water. If skin irritation or an allergic reaction occurs, obtain medical advice.

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. 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 material. Vapours may be produced when heated.

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 breathing vapours or mist and avoid contact with skin and eyes.

Wear appropriate protective gloves and eye protection.

Remove ignition sources where appropriate.

Contain spill and absorb using sand, vermiculite or another inert absorbent material. Collect in a suitable closed container for disposal.

Prevent concentrated material from entering drains, waterways and soil.

SECTION 7 – HANDLING AND STORAGE

Handle in a well-ventilated area.

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

Keep containers tightly closed when not in use.

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

Keep away from ignition sources and strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Physical State	Liquid
Appearance	Clear, colorless to pale yellow liquid
Odor	Strong, fresh, lemon-like, citrus odor
Molecular Formula	C ₁₀ H ₁₆ O
Molecular Weight	152.24 g/mol
Specific Gravity @ 20°C	Approx. 0.885–0.895*
Refractive Index @ 20°C	Approx. 1.486–1.490*
Boiling Point	Approx. 228–229°C*
Flash Point	Approx. 90–100°C*
Water Solubility	Slightly soluble / practically insoluble
Solubility in Alcohol	Soluble

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage and handling conditions.

Conditions to Avoid: Excessive heat, flames, sparks, prolonged exposure to air and unsuitable storage conditions.

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

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

Hazardous Polymerization: Not expected under normal conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Skin: Causes skin irritation.

Eyes: Causes serious eye irritation.

Sensitization: May cause an allergic skin reaction.

Inhalation: Vapours or mist may irritate the respiratory tract at elevated concentrations.

Ingestion: May cause gastrointestinal irritation or discomfort.

SECTION 12 – ECOLOGICAL INFORMATION

Avoid uncontrolled release into the environment.

Citral may be harmful to aquatic organisms depending on concentration and exposure conditions.

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

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of product, contaminated absorbent material and packaging according to applicable municipal, provincial and federal regulations.

Do not discharge concentrated product into drains or waterways.

Empty containers may retain product residues and should be handled appropriately.

SECTION 14 – TRANSPORT INFORMATION

Transportation classification should be confirmed from the manufacturer's current SDS because it can depend on the exact product grade, environmental classification, quantity and jurisdiction.

TDG – Canada	Verify supplier SDS
IATA / ICAO	Verify supplier SDS
IMDG	Verify supplier SDS
UN Number	Verify supplier SDS
Transport Hazard Class	Verify supplier SDS
Packing Group	Verify supplier SDS

SECTION 15 – REGULATORY INFORMATION

Citral is a recognized fragrance ingredient and fragrance allergen. Its concentration in finished cosmetic and fragrance formulations may require consideration for safety assessment and ingredient/allergen labeling.

Finished-product manufacturers should evaluate applicable:

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

SECTION 16 – OTHER INFORMATION

Product: Citral

INCI: Citral

CAS No.: 5392-40-5

EC No.: 226-394-6

Intended Use: Perfumery / Cosmetic / Fragrance Raw Material



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.

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