

Material Safety Data Sheet

SECTION 1: Product and Supplier Identification

Product Name: Triethyl Citrate

Synonyms: Citric Acid Triethyl Ester

CAS Number: 77-93-0

EC Number: 201-070-7

Recommended Use: Plasticizer, fragrance fixative, solvent, cosmetic ingredient, pharmaceutical excipient, and industrial applications.

Origin: India

Supplier: Botanic Planet Canada Inc.

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SECTION 2: Hazard Identification

GHS Classification

This product is not classified as hazardous according to the Globally Harmonized System (GHS).

Signal Word

None

Hazard Statements

Not classified as hazardous.

Precautionary Statements

Avoid unnecessary contact with eyes.

Avoid prolonged skin contact.

Wash thoroughly after handling.

Keep container tightly closed.

Keep out of reach of children.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Concentration
Triethyl Citrate	77-93-0	≥99%
No hazardous impurities at reportable concentrations.		

SECTION 4: First Aid Measures

Eye Contact

Flush immediately with plenty of water for at least 15 minutes.

Remove contact lenses if present.

Seek medical attention if irritation persists.

Skin Contact

Wash with soap and water.

Remove contaminated clothing.

Inhalation

Move affected person to fresh air.

Obtain medical advice if symptoms occur.

Ingestion

Rinse mouth thoroughly with water.

Do not induce vomiting.

Seek medical attention if large quantities are ingested.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media

Dry chemical

Carbon dioxide (CO₂)

Alcohol-resistant foam

Water spray

Unsuitable Media

High-pressure water jet.

Hazardous Combustion Products

During combustion, may produce:

Carbon monoxide

Carbon dioxide

Irritating organic vapors

Protective Equipment

Firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing.

SECTION 6: Accidental Release Measures

Wear appropriate personal protective equipment.

Prevent entry into drains and waterways.

Absorb with sand, vermiculite, or other inert absorbent material.

Collect in suitable containers for disposal.

Wash spill area with water after cleanup.

SECTION 7: Handling and Storage

Handling

Avoid contact with eyes.

Use good industrial hygiene practices.

Avoid unnecessary inhalation of mists.

Storage

Store in tightly closed original containers.

Recommended storage temperature: 15–30°C

Protect from:

Direct sunlight

Excessive heat

Moisture

Strong oxidizing agents

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

General room ventilation is normally sufficient.

Eye Protection

Safety glasses with side shields.

Hand Protection

Chemical-resistant gloves (nitrile recommended).

Skin Protection

Protective clothing where prolonged exposure is expected.

Respiratory Protection

Normally not required.

SECTION 9: Physical and Chemical Properties

Appearance Colorless transparent liquid

Odor Odorless to faint fruity

Physical State Liquid

pH Not applicable

Melting Point Approximately -55°C

Boiling Point Approximately 294°C

Flash Point Approximately 155°C (Closed Cup)

Auto-Ignition Temperature Approximately 400°C

Relative Density (25°C) 1.135–1.139

Refractive Index (20°C) 1.439–1.443

Solubility Slightly soluble in water; soluble in alcohols and many organic solvents
Vapor Pressure Low

SECTION 10: Stability and Reactivity

Stability

Stable under recommended storage conditions.

Conditions to Avoid

Excessive heat

Open flames

Strong oxidizing agents

Incompatible Materials

Strong oxidizers

Strong acids

Strong alkalis

Hazardous Decomposition Products

Carbon monoxide

Carbon dioxide

SECTION 11: Toxicological Information

Routes of Exposure

Eye contact

Skin contact

Inhalation

Ingestion

Acute Toxicity

Low acute toxicity.

Skin Corrosion/Irritation

May cause mild irritation after prolonged exposure.

Serious Eye Damage/Irritation

May cause temporary eye irritation.

Respiratory Sensitization

Not expected.

Skin Sensitization

Not expected.

Carcinogenicity

Not classified as carcinogenic by IARC, OSHA, or ACGIH.

Mutagenicity

No known significant effects.

Reproductive Toxicity

No known significant effects.

SECTION 12: Ecological Information

Readily biodegradable.

Low aquatic toxicity under normal conditions.

Avoid unnecessary release into waterways.

Low potential for bioaccumulation.

SECTION 13: Disposal Considerations

Dispose of product and container in accordance with applicable local, provincial/state, and federal regulations. Do not discharge directly into drains or natural waterways.

SECTION 14: Transport Information

Item Information

UN Number Not Regulated

Proper Shipping Name Not Regulated

Hazard Class Not Regulated

Packing Group Not Applicable

Marine Pollutant No

Triethyl Citrate is not regulated as a dangerous good for road, rail, sea (IMDG), or air (IATA) transport under normal shipping conditions.

SECTION 15: Regulatory Information

Prepared in accordance with: WHMIS 2015 (Canada)

Globally Harmonized System (GHS)

OSHA Hazard Communication Standard (29 CFR 1910.1200), where applicable

SECTION 16: Other Information

Product Name: Triethyl Citrate

Issue Date: August 2026

Prepared By: Quality Assurance Department Third Party for Botanic Planet Canada Inc.

Disclaimer. The information contained in this Safety Data Sheet (SDS) is believed to be accurate and is provided in good faith based on data available at the time of preparation. It is intended solely as guidance for the safe handling, storage, transportation, use, and disposal of the product. It does not constitute a warranty or guarantee of specific product properties or suitability for any particular application. Users are responsible for determining the suitability of this product for their intended use and for complying with all applicable laws and regulations. Botanic Planet Canada Inc. shall not be liable for any damages arising from improper handling, storage, transportation, use, or disposal of this product. Liability is limited to the purchase price of the product supplied. In the event of any dispute, jurisdiction shall be limited to the Province of Ontario, Canada.

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