



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification

Product Identifier

Product Name: Triethyl Citrate Synthetic

Chemical Name: Triethyl 2-hydroxypropane-1,2,3-tricarboxylate

Synonyms: Triethyl Citrate, TEC

INCI Name: Triethyl Citrate

CAS Number: 77-93-0

EC Number: 201-070-7

Molecular Formula: C₁₂H₂₀ O₇

Molecular Weight: 276.28 g/mol

Product Type: Synthetic Solvent / Fixative

Recommended Use

Perfumery raw material intended for fragrance creation, cosmetic manufacture, personal care products and industrial fragrance applications.

Professional use only.

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Email: info@aromology.com
Website: www.aromology.com



SECTION 2: Hazard Identification

Classification (GHS)

This product is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) and the Globally Harmonized System (GHS).

Signal Word

Not Required

Hazard Statements

Not classified as hazardous.

Precautionary Statements

- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke while using this product.
- P280 Wear suitable eye protection and gloves during prolonged handling.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Concentration
Triethyl Citrate	77-93-0	≥99.5%

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Eye Contact



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

Seek medical attention if irritation persists.

Ingestion

Rinse mouth with water.

Do not induce vomiting.

Seek medical advice if discomfort occurs.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Water spray
- Alcohol-resistant foam
- Carbon dioxide
- Dry chemical powder

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Wear appropriate PPE.

Prevent unnecessary release into the environment.

Absorb with inert absorbent material.

Collect into suitable disposal containers.

Wash spill area after clean-up.



SECTION 7: Handling and Storage

Avoid unnecessary contact with eyes.

Observe good industrial hygiene practices.

Store tightly closed in original containers.

Protect from excessive heat and moisture.

Keep away from strong oxidising agents.

Recommended Storage Temperature: 15–25 °C

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Normal industrial ventilation is adequate.

Personal Protective Equipment

Eye Protection

Safety glasses or chemical goggles.

Hand Protection

Chemical-resistant gloves.

Respiratory Protection

Normally not required under adequate ventilation.

Body Protection

Protective laboratory clothing.

SECTION 9: Physical and Chemical Properties

Property	Specification
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Property	Specification
Appearance	Clear colourless liquid
Odour	Mild, faintly sweet, almost odourless
Physical State	Liquid
Relative Density (20 °C)	1.135–1.145
Refractive Index (20 °C)	1.4410–1.4450
Boiling Point	Approximately 294 °C
Flash Point	>150 °C
Viscosity (20 °C)	32–38 mPa·s
Solubility in Water	Slightly soluble
Solubility in Ethanol	Miscible

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid excessive heat and strong oxidising agents.

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information

- Low acute toxicity.
 - May cause slight eye irritation.
 - Prolonged or repeated skin contact may cause mild irritation.
 - No evidence of carcinogenicity, mutagenicity or reproductive toxicity under normal conditions of use.
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SECTION 12: Ecological Information

Not expected to present significant environmental hazards.

Readily biodegradable.

Avoid unnecessary release into waterways.



SECTION 13: Disposal Considerations

Dispose of contents and containers according to local, regional and national regulations.

SECTION 14: Transport Information

Item	Information
UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Transport Hazard Class	Not Classified
Packing Group	Not Applicable
Marine Pollutant	No

SECTION 15: Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - REACH Regulation (EC) No. 1907/2006
 - CLP Regulation (EC) No. 1272/2008
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SECTION 16: Other Information

Triethyl Citrate Synthetic (TEC) is a high-purity synthetic ester widely used in perfumery as a solvent, diluent and fixative. It exhibits excellent compatibility with essential oils, aroma chemicals, resins and absolutes while contributing virtually no odour to fragrance compositions. Owing to its excellent stability, low volatility and favourable toxicological profile, Triethyl Citrate is extensively used in fine fragrance, deodorants, cosmetics and personal care formulations.

The information contained in this Safety Data Sheet is believed to be accurate at the date of issue and is intended solely as guidance for the safe handling, storage, transport and use of this material. It does not constitute a warranty regarding product performance or suitability for any particular application.

Authorised By:
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Director