



Section 1. Product and Company Identification

Product Name Trimethylolpropane Trioleate
CAS Number 57675-44-2

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Classification of this substance/mixture is based on 29 CFR 1910.1200/HazCom 2012 (GHS-US): Not classified

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

Precautionary Statements

P262: Do not get in eyes, on skin, or on clothing.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351 +338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do- continue rinsing.

P314: Get medical advice/attention if you feel unwell.

Section 3. Composition / Information on Ingredients

Common Name Trimethylolpropane Trioleate

CAS Number 57675-44-2

COMPONENT	CAS NUMBER	CONCENTRATION
Trimethylolpropane Trioleate	57675-44-2	~100% wt.

Section 4. First Aid Measures

Eyes: Immediately flush with gentle but large stream of water for 15 min, lifting upper and lower eyelids occasionally. Get medical attention if irritation develops.

Skin: Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminated clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarded.



Inhalation: Move the person to fresh air. If breathing becomes difficult, contact a physician.

Ingestion: Do not induce vomiting. If large amounts were swallowed, give water to rinse mouth and get medical attention.

Section 5. Firefighting Measures

Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Unsuitable Extinguishing Media: Water jet.

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and protective clothing when fighting any chemical fire.

Unusual Fire & Explosion Hazards: In case of fire, containers may explode from internal pressure. Cool with water. May emit toxic fumes of CO and CO₂ under fire conditions.

Section 6. Accidental Release Measures

Personal precautions: Avoid contact with skin and eyes. Product is slippery. Avoid falls. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

P273: Avoid release to the environment

Limit leakage with earth or sand. Do not discharge into the drains/surface water/groundwater.

Dispose of absorbed material in accordance with local, state, and federal regulations.

Methods for Containment/Cleaning Up: Take up with absorbent material (e.g. vermiculite, general purpose binder). Dispose of absorbed material in accordance with local, state, and federal regulations.

Section 7. Handling and Storage

Handling

P261: Avoid breathing mists of product

P262: Do not get in eyes, on skin, or on clothing

P264: Wash thoroughly after handling

P280: Wear protective gloves/eye protection

Storage

P402+404: Store in a dry place. Store in a closed container

P403+233: Store in a well ventilated place. Keep container tightly closed

Protect from moisture. Do not store together with acids.

Special Packaging Requirements: None known.

Incompatible Materials or Fire/Explosion Protection: Strong acids, strong oxidizers.



Section 8. Exposure Controls / Personal Protection

Personal Protective Equipment (PPE)

Hand Protection: Use impervious gloves.

Eye Protection: Wear safety glasses with side shields.

Skin Protection: Wear protective clothing.

Respiratory Protection: Recommended if ventilation is limited.

Engineering Measures/Controls

Ventilation: Ensure adequate ventilation to maintain product at acceptable airborne levels.

Other measures: Eye-wash station.

Exposure Limits/Guidelines: None

Section 9. Physical and Chemical Properties

Appearance: Clear, yellow to amber liquid

pH: N/A

Boiling Point: > 932°F (500°C)

Vapor Pressure (20°C): < 0.01 mmHg

Flash Point (COC): ~ 608°F (320°C)

UEL: N/A

LEL: N/A

Viscosity (25°C): ~80 cPs

Octanol/Water Partition Coefficient (22°C): 24.73

Auto-ignition temperature: N/D

Volatile content: < 0.1%

Odor: Faint

Odor Threshold: N/D

Melting/Freezing point (Pour Point): < -31°F (-35°C)

Vapor Density (Air=1): N/A

Evaporation Rate: < 0.01

Solubility in Water: Insoluble

Specific Gravity/Bulk Density (25°C): ~ 0.91

Decomposition Temperature: N/D

VOC Data: N/D

Section 10. Stability and Reactivity

Chemical Stability: Product is stable under ordinary conditions of use and storage.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Exposure to moist air or water, extreme heat, sources of ignition.

Incompatible Materials: Strong oxidizers, strong acids.



Hazardous Decomposition Products: Extremely high temperatures and thermal decomposition may produce CO_x.

Section 11. Toxicological Information

Acute Data

Principle Routes of Exposure: Eye contact, skin contact, ingestion, inhalation (mist).

Acute Toxicity

Route of exposure: Oral

Test Type: LD50

Species: Rat

Results: > 2000 mg/kg

Comments: H303: May be harmful if swallowed

Irritation and Corrosion

Target Organ	Species	Results	Comments
Eyes	Rabbit	Non-irritating	-
Skin	Rabbit	Non-irritating	-

Sensitization

Target Organ	Species	Results	Comments
Skin	Human	No known effects	-

Specific Target Organ Toxicity - Single Exposure

Target Organ	Species	Results	Comments
None	-	-	-

Chronic Data

Carcinogenicity

IARC: No

NTP: No

ACGIH: No

OSHA: No

Mutagenicity: No effects observed

Reproductive Effects: No effects observed

Target Organ Effects: NDA

Section 12. Ecological Information

Acute Aquatic Toxicity

Species: Fish



Test type: LC50

Exposure Time: 96h

Results: > 100 mg/L

Comments: No toxicity reported for any organisms at water solubility limit.

Environmental Fate

Persistence/Degradability

Product is readily biodegradable.

Elimination: -80.7% in 28d

COD/BOD5: NDA

Bioaccumulation Potential: Low

Mobility in Soil: Moderate due to low water solubility and low vapor pressure.

Other Adverse Effects: NDA

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

US DOT Regulations (Land Transport): Not regulated

IATA/ICAO Regulations (Air Transport): Not regulated

IMDG/IMO Regulations (Maritime Transport): Not regulated

Section 15. Regulatory Information

Domestic Regulations

Components requiring notification

SARA 302 (TPQ): None

SARA 304 (RQ): None

SARA 313: None

CERCLA (RQ): None

CAA 112(b) HAPS: None

CAA 112(R): None

SARA 311/312 Hazard Categorization: None

State Information

California Proposition 65: May contain traces (< 100 ppm) of the following components known to the State of California to cause cancer, birth defects, or other reproductive harm: None



State Right to Know/Hazardous Substance List Information: The following chemicals are present on one or more Right to Know/Hazardous Substance Lists for the states of MA, MN, NJ, PA and RI: None.

This is not an exhaustive list. For information on listings in other states, please consult that state's RTK/HSL.

Chemical Inventories

United States (TSCA): Yes

Europe (EINECS/ELINCS/NLP): Yes

Australia (AICS): Yes

Philippines (PICCS): Yes

Canada - DSL: Yes

Canada - NDSL: Yes

Korea (ECL): Yes

Japan (ENCS/ISHL): Yes

China (IECSC): Yes

New Zealand (NZIoC): Yes

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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