



Section 1. Product and Company Identification

Product Name Pentaerythritol Monooleate
CAS Number 10332-32-8

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

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.

P261: Avoid breathing mists of product

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

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.

Section 3. Composition / Information on Ingredients

Common Name Pentaerythritol Monooleate

CAS Number 10332-32-8

COMPONENT	CAS NUMBER	CONCENTRATION
Pentaerythritol Monooleate	10332-32-8	100%



Section 4. First Aid 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 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: Product is slippery. Avoid breathing mists of product. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

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/protective clothing/eye protection/face 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 or full face shield.

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.

Section 9. Physical and Chemical Properties

Form and Appearance: Clear to slightly hazy, yellow to amber liquid

Odor: Faint

pH: N/A

Odor Threshold: N/D

Boiling Point: > 554°F (290°C)

Melting/Freezing point: N/D

Vapor Pressure (at 20°C): < 0.01 mmHg

Vapor Density (Air = 1): N/D

Flash Point (COC): ~ 545°F (285°C)

Evaporation Rate: N/D

UEL: N/A

LEL: N/A

Viscosity: N/D

Solubility in Water: Insoluble

Octanol/Water Partition Coefficient: N/D

Specific Gravity/Bulk Density (25°C): ~ 0.94

Auto-ignition temperature: N/D

Decomposition Temperature: N/D

Volatile content: < 0.5%

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	Test type	Species	Results
Oral	LD50	Rat	> 64,000 mg/kg

Irritation and Corrosion

Target organ	Species	Results
Eyes	Rabbit	Non-irritating
Skin	Rabbit	Non-irritating

Sensitization

Target organ	Species	Results
Skin	Human	No effects known

Specific Target Organ Toxicity - Single Exposure: None

Carcinogenicity

IARC: No

NTP: No

ACGIH: No

OSHA: No

Mutagenicity: NDA

Reproductive Effects: NDA

Target Organ Effects: NDA

Section 12. Ecological Information

Acute Aquatic Toxicity

Species	Test type	Exposure time	Results	Comments
Fish	LC50	96h	>100 mg/L	No toxicity reported for any organisms at water solubility limit.

Environmental Fate

Persistence/Degradability: Product is expected to be readily biodegradable.

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)	SARA 304 (RQ)	SARA 313	CERCLA RQ)	CAA 112(b) HAPS	CAA 112(r)
None	None	None	None	None	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.

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.

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
	NDSL	No
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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