



Section 1. Product and Company Identification

**Product Name** Erythritol  
**CAS Number** 149-32-6

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
☎ (914) 654-6800 ☎ (914) 654-6899  
🌐 [parchem.com](http://parchem.com) ✉ [info@parchem.com](mailto:info@parchem.com)

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**

Not a hazardous substance or mixture.

**GHS Label Elements**

**Pictograms:** N/A

**Signal word:** N/A

**Hazard and precautionary statements**

None

**Emergency Overview:** Fine white to transparent crystalline powder with no odor, soluble in water, considered non-toxic.

**Most Important Hazard:** None

**Inhalation:** Dust may cause irritation of mucous membrane and respiratory tract.

**Eye Contact:** May cause irritation

**Skin Contact:** No data available

**Ingestion:** No data available

**Chronic:** No data available

**Carcinogen Status:** None

Section 3. Composition / Information on Ingredients

**Common Name** Erythritol  
**Synonym(s)** 1,2,3,4-Butanetetrol  
**Formula** C<sub>4</sub>H<sub>10</sub>O<sub>4</sub>  
**CAS Number** 149-32-6

COMPONENT	CAS NUMBER	CONCENTRATION
Erythritol	149-32-6	100%



#### Section 4. First Aid Measures

**General Advice:** No hazards which require special first aid measures. If you feel unwell, seek medical advice.

**Inhalation:** Move to fresh air. If symptoms persist, call a physician.

**Skin Contact:** Wash off with soap and plenty of water. If skin irritation persists, call a physician.

**Eye Contact:** Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.

**Ingestion:** Drink water as a precaution. Consult a physician if necessary

**Protection of First-aiders:** No hazards which require special first aid measures.

#### Section 5. Firefighting Measures

**Flash Point:** No data available

**Auto-ignition Temperature:** No data available

**Suitable Extinguishing Media:** Water, water spray, dry powder, foam, and carbon dioxide (CO<sub>2</sub>)

**Extinguishing Media which must not be used for Safety Reasons:** None

**Hazardous Decomposition Products:** Carbon Oxides

**Special Protective Equipment:** Use personal protective equipment including self-contained breathing apparatus when fighting fire in enclosed area.

**Specific Methods:** Standard procedure for chemical fires.

#### Section 6. Accidental Release Measures

**Personal Precautions:** Use personal protective equipment. Avoid dust formation.

**Environmental Precautions:** Dispose according to federal, state and local authorities.

**Methods for Cleaning up:** Sweep up and shovel. After cleaning, flush away traces with water.

#### Section 7. Handling and Storage

##### Handling

**Technical Measures/Precautions:** No special technical protective measures required.

**Safe Handling Advice:** Avoid contact with eyes and prolong contact with skin. Avoid breathing large amounts of dust. Wash away splashes and spillages with water.

##### Storage

**Technical Measures/Storage Conditions:** Keep tightly closed in a dry and cool place.

**Incompatible Products:** No special restrictions on storage with other products.

**Packaging Material:** Store in original container

#### Section 8. Exposure Controls / Personal Protection

**Engineering Measures:** Provide general dilute ventilation.



**Exposure Limit(s):** None established for this ingredient, use OSHA PEL, ACGIH TLV for Nuisance dusts of 5 mg/ m<sup>3</sup>

**Personal Protection Equipment**

**Respiratory Protection:** NIOSH approved dust respirator

**Hand Protection:** Gloves

**Eye Protection:** Safety Glasses

**Skin and Body Protection:** Lightweight protective clothing

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice

Section 9. Physical and Chemical Properties

**Form:** Powder/crystalline

**Color:** White/colorless

**Odor:** None

**pH (10%, 25°C):** 4 - 7

**Boiling Point/Range:** 329 - 331°C

**Decomposition Temperature:** No data available

**Explosive Properties, Risk of Explosion:** Class St 1

**Relative Density:** 1450 kg/m<sup>3</sup>

**Bulk Density:** 700 - 900 kg/m<sup>3</sup>

**Water Solubility (25°C):** Approx. 60 g/100 mL H<sub>2</sub>O

**log Pow:** No data available

**Other Information**

**Melting Point/Range:** 119 - 123°C

**Solubility in Other Solvents Ethanol (25°C):** Slightly soluble

Section 10. Stability and Reactivity

**Stability:** Stable at normal conditions

**Conditions to Avoid:** Keep containers dry and tightly closed to avoid moisture absorption and contamination.

**Materials to Avoid:** Strong oxidizers.

**Hazardous Decomposition Products:** No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapors.

Section 11. Toxicological Information

**Acute Toxicity:** LD<sub>50</sub>/ipr/mouse 2000 mg/kg

**Local Effects:** May cause eye irritation with susceptible persons. May cause skin irritation in susceptible persons. May cause irritation of respiratory tract.

**Chronic Toxicity:** Prolonged skin contact may cause skin irritation.

**Human Experience:** Health injuries are not known or expected under normal use.



**Specific Effects:** Carcinogenicity: not listed in IARC/NTP/OSHA/ACGIH. Mutagenicity: not mutagenic in AMES Test. Reproductive toxicity: animal testing did not show any effects on fertility. Animal testing did not show any effects on foetal development.

Section 12. Ecological Information

**Mobility**

**Persistence and Degradability:** Expected to be biodegradable

**Chemical Oxygen Demand:** No data available

**Biochemical Oxygen Demand within 5 Days:** No data available

**Bioaccumulation:** No data available

**Ecotoxicity Effects:** No data available

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

Not a Hazardous Material for DOT shipping.

Section 15. Regulatory Information

Generally regarded as safe (GRAS) by USA FDA. GRAS status from 1996. GRAS Notified by FDA in 2001.

To the best of our knowledge, Erythritol does not contain any contaminants or bi-products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

CERCLA (Comprehensive Response Compensation, and Liability Act):

SARA Title III (Superfund Amendments and Reauthorization Bill): Not Considered Hazardous

**HMIS**

**Rating Health:** 1

**Fire:** 1

**Reactivity:** 1



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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