



Section 1 – Company Information

**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 - Parchem CCN# M1S0007152  
Toll Free US & Canada: (800)255-3924  
All other Origins: (813) 248-0585  
Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Calcium Chloride Dihydrate  
CAS NUMBER 10035-04-8  
FORMULA  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

PRODUCT	CAS NUMBER	% BY WEIGHT
Calcium Chloride Dihydrate	10035-04-8	100%

Section 3 – Hazards Identification

**Emergency Overview**

**OSHA Hazards:** Irritant

**HMIS & NFPA Classification**

**Health Hazard:** 2

**Flammability:** 0

**Physical hazards:** 0

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

Section 4 – First Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.  
Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing give artificial respiration  
Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult  
a physician.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.  
Consult a physician.



#### Section 5 – Fire Fighting Measures

**Flammable properties:** Flash point no data available. Ignition temperature no data available.

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for fire-fighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Further information:** The product itself does not burn.

#### Section 6 – Accidental Release Measures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

#### Section 7 – Handling & Storage

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Hygroscopic

#### Section 8 – Exposure Controls & Personal Protection

Contains no substances with occupational exposure limit values.

**Personal protective equipment:**

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves.

**Eye protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Section 9 – Physical & Chemical Properties

**Appearance:**

**Form:** crystalline



**Color:** white

**Safety data:**

**pH:** 5.0 - 8 at 147 g/l at 25 °C (77 °F)

**Melting point:** 176 °C (349 °F)

**Boiling point:** no data available

**Flash point:** no data available

**Ignition temperature:** no data available

**Lower explosion limit:** no data available

**Upper explosion limit:** no data available

**Vapor pressure:** 0.01 hPa (0.01 mmHg) at 20 °C (68 °F)

**Density:** 1.850 g/cm<sup>3</sup>

**Water solubility:** 147 g/l at 20 °C (68 °F) - completely soluble

Section 10 – Stability & Reactivity Data

**Storage stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Exposure to moisture may affect product quality.

**Materials to avoid:** Strong acids, Borane/boron oxides, Zinc, Calcium oxide, Methyl vinyl ether, Calcium chloride is attacked by bromine trifluoride

Section 11 – Toxicological Information

**Acute toxicity:** no data available

**Irritation and corrosion:** no data available

**Sensitisation:** no data available

**Chronic exposure:** no data available

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

Section 12 – Ecological Information

**Elimination information (persistence and degradability):** no data available

**Ecotoxicity effects:** no data available

**Further information on ecology:** no data available



Section 13 – Disposal Consideration

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging:** Dispose of as unused product.

Section 14 – Transportation Data

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

Section 15 – Regulatory Information

**OSHA Hazards:** Irritant

**TSCA Status:** On TSCA Inventory

**DSL Status:** All components of this product are on the Canadian DSL list.

**SARA 302 Components:** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard

**Massachusetts Right To Know Components:** No Components Listed

**Pennsylvania Right To Know Components:**

Calcium chloride dihydrate

CAS-No. 10035-04-8

**New Jersey Right To Know Components:**

Calcium chloride dihydrate

CAS-No. 10035-04-8

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

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.