



Section 1. Product and Company Identification

**Product Name** Calcium Glycerophosphate  
**CAS Number** 27214-00-2

**Parchem - fine & specialty chemicals**

**415 Huguenot Street**

**New Rochelle, NY 10801**

**(914) 654-6800** **(914) 654-6899**

**parchem.com** **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 according to Regulation (EC) 1907/2006 (REACH)**

**Classification:** Not classified

**Classification according to Regulation (EC) 1272/2008 (CLP)**

**Classification:** Not regulated.

**GHS Label Elements**

**Pictograms:** N/A

**Signal word:** N/A

**Hazard and precautionary statements**

None

**Additional Hazards:** Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose, and throat.

Section 3. Composition / Information on Ingredients

**Common Name** Calcium Glycerophosphate  
**CAS Number** 27214-00-2

Section 4. First Aid Measures

**First-aid measures**

**Inhalation:** Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.

**Ingestion:** Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.



**Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs

**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

**Notes to physician:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### Section 5. Firefighting Measures

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Not suitable:** None known

**Special exposure hazards:** No specific fire or explosion hazard. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

**Hazardous thermal decomposition products:** Decomposition products may include the following materials: carbon dioxide, carbon monoxide, phosphorus oxides, and metal oxide/oxides

**Special protective equipment for firefighters:** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

**Remark:** Fine dust clouds may form explosive mixtures with air.

#### Section 6. Accidental Release Measures

**Personal precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions:** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

#### Methods for cleaning up

**Small spill:** Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see section 13 for waste disposal



## Section 7. Handling and Storage

**Handling:** Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid breathing dust.

**Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Recommended packaging materials:** Use original container.

## Section 8. Exposure Controls / Personal Protection

**Exposure limit values:** No exposure limits value known.

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### Exposure controls

**Occupational exposure controls:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: nitrile rubber, PVC Breakthrough Time: <1 hours

**Eye protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If operating conditions cause high dust concentrations to be produced, use dust goggles

**Skin protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this



product.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Section 9. Physical and Chemical Properties

##### General information

##### Appearance

**Physical state:** Solid. [Powder]

**Color:** White

**Odor:** Odorless

##### Important health, safety and environmental information

**pH (1%):** 9.5

**Explosive properties:** Fine dust clouds may form explosive mixtures with air.

**Flammability of the product:** non-flammable

**Density:** 0.55 g/cm<sup>3</sup>

**Decomposition temperature:** 170°C (338°F)

**The information presented in this section does not serve as specifications.**

#### Section 10. Stability and Reactivity

**Chemical stability:** The product is stable.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur

**Conditions to avoid:** No specific data.

**Materials to avoid:** No specific data.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### Section 11. Toxicological Information

##### Potential acute health effects

**Inhalation:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

**Ingestion:** No known significant effects or critical hazards.

**Skin contact:** No known significant effects or critical hazards.

**Eye contact:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.



**Acute toxicity**

Name	Result	Test	Dose	Exposure
Calcium glycerophosphate	LD0 Oral	LD0 Oral	> 5000 mg/kg	-

**Conclusion/summary:** not available

**Potential chronic health effects**

**Chronic toxicity:** Not available

**Irritation/Corrosion**

**Respiratory:** Dust Irritation score

**Sensitizer:** Not available

**Carcinogenicity:** Not available

**Mutagenicity:** Not available

**Teratogenicity:** Not available

**Reproductive toxicity:** Not available

**Chronic effects:** Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Inhalation:** Adverse symptoms may include respiratory tract irritation, coughing

**Ingestion:** No specific data.

**Skin:** No specific data.

**Eyes:** Adverse symptoms may include irritation and redness

Section 12. Ecological Information

**Ecotoxicity:** No known significant effects or critical hazards.

**Aquatic ecotoxicity:** Not available.

**Other ecological information**

**Persistence/degradability:** Not available

**Other adverse effects:** No known significant effects or critical hazards.

**PBT:** Not available.

**vPvB:** Not 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

**ADR/RID Class:** Not regulated.  
**ADN/ADNR Class:** Not regulated.  
**IMDG Class:** Not regulated.  
**IATA Class:** Not regulated.

Section 15. Regulatory Information

**EU regulations**

**Europe inventory:** All components are listed or exempted.

**EC number:** 248-328-5

**International regulations**

**Chemical Weapons Convention List Schedule I Chemicals:** Not listed

**Chemical Weapons Convention List Schedule II Chemicals:** Not listed

**Chemical Weapons Convention List Schedule III Chemicals:** Not listed

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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