

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 1: Identification**

**Product Name** CALCIUM GLUCONATE USP MONOHYDRATE (INJECTABLE)  
**Commercial Name** Calcium Gluconate  
**Product Use** Food additive, Pharmaceuticals, Mineral supplement, Specialty chemical  
**Restrictions On Use** N/A  
**Product Code** 30-4900  
**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

**Section 2: Hazard(s) Identification**

**OSHA Haz Com:** This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
**CFR 1910.1200** 1910.1200) Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Signal Word** NON-HAZARDOUS

**Hazard Statement(s)** Not available

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

<b>Prevention</b>	Not available
<b>Response</b>	N/A
<b>Storage</b>	Not available
<b>Disposal</b>	Not available

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture** Substance  
**Components** N/A  
**% By Weight** 100  
**CAS#** 18016-24-5 or 66905-  
**Molecular Weight** 448.39  
**Chemical Formula** C<sub>12</sub>H<sub>22</sub>CaO<sub>14</sub>·H<sub>2</sub>O  
**Synonym(s)** N/A

**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
------	------	-------------	---------	-----------

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Health injuries are not known or expected under normal use.
<b>Delayed</b>	Health injuries are not known or expected under normal use.

**Immediate Medical Attention**

Treat symptomatically Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.

**Unsuitable Extinguishing Media**

Not available

**Products of Combustion**

Carbon Dioxide, Carbon Monoxide. Calcium oxides. May be combustible at high temperatures.

**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Section 6: Accidental Release Measures**

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

**Section 7: Handling and Storage**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice. Technical Measures/Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Incompatible Materials: Strong oxidizing agents

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	N/A
<b>Engineering Controls</b>	Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>Personal Protection</b>	Eye protection: Safety glasses with side-shields or Goggles Skin and body protection: Long sleeved clothing, Chemical resistant apron, Gloves Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid. Crystalline powder. Crystalline granules. White		
<b>Odor</b>	Odorless		
<b>Odor Threshold</b>	N/A		
<b>Melting Point</b>	N/A	<b>pH</b>	N/A
<b>Freezing Point</b>	N/A	<b>Vapor Pressure</b>	N/A
<b>Boiling Point/Range</b>	N/A	<b>Vapor Density</b>	N/A
<b>Decomposition temperature</b>	100°C/212°F	<b>Viscosity</b>	N/A
<b>Partition Coefficient: n-octanol/water</b>	N/A	<b>Evaporation Rate</b>	N/A
<b>Flash Point</b>	N/A	<b>Autoignition temperature</b>	N/A
<b>Flammability</b>	N/A	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	N/A
		<b>Upper</b>	N/A
<b>Solubility(ies)</b>	Soluble in hot water. Solubility in hot water: 110 g/L (80°C) Partially soluble in cold water Solubility in cold water: 30 g/L (20°C)		
<b>Other</b>			

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	May react with strong oxidizers
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur
<b>Conditions to Avoid</b>	Heat. Ignition sources. Incompatible materials.
<b>Incompatible Materials</b>	Strong Oxidizing Agents
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide. Calcium oxides

**Section 11: Toxicological Information****RTECS** N/A**Acute Toxicity**

LD50/oral/rat = No information available LD50/oral/mouse = No information available LD50/dermal/rabbit = No information available  
LD50/dermal/rat = No information available LC50/inhalation/rat = No information available LC50/inhalation/mouse = No information available  
Other LD50 or LC50 information = For CAS no. 299-28-5 (Calcium Gluconate, anhydrous: >5000 mg/kg LD50 Oral Rat (RTECS); 10000 mg/kg LD50 Oral Mouse (RTECS))

**Skin Corrosion/Irritation**

May cause skin irritation

**Serious Eye Damage/Irritation**

May cause eye irritation

**Respiratory or Skin Sensitization**

May cause irritation of respiratory tract. Health injuries are not known or expected under normal use

**Germ Cell Mutagenicity**

N/A

**Carcinogenicity**

N/A

**Reproductive Toxicity**

N/A

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Routes of Entry**

Ingestion. Inhalation

**Symptoms Related to Exposure**

N/A

**Potential Health Effects**

N/A

**Target Organ(s)** N/A**Section 12: Ecological Information****Ecotoxicity**

This product has no known eco-toxilogical effects.

**Persistence and Degradability**

N/A

**Bioaccumulative Potential**

N/A

**Mobility in Soil**

N/A

**Other Adverse Effects**

N/A

**Section 13: Disposal Considerations****Waste Disposal**

Waste must be disposed of in accordance with Federal, State and Local regulation

**Disposal of Container**

Empty containers should be taken for local recycling, recovery or waste disposal

**Other Considerations**

N/A

**Section 14: Transport Information****DOT Classification**

DOT UN-No: Not Regulated Proper Shipping Name: No information available Hazard Class: No information available Subsidiary Class No information available Packing group: No information available Emergency Response Guide Number No information available Marine Pollutant No data available DOT RQ (lbs): No information available Special Provisions No Information available Symbol(s): No information available

**Section 15: Regulatory Information****Regulations**

This product is not known to be a "Hazardous Chemical" as define Communication Standard, 29 CFR 1910.1200.

**Other**

N/A

**Section 16: Other Information**

N/A