



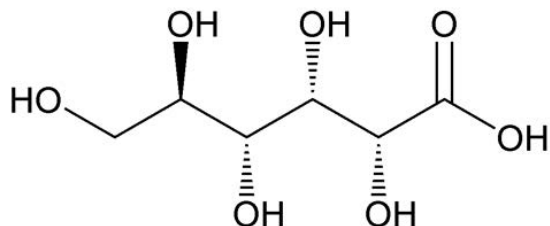
## 1 PRODUCT AND COMPANY INFORMATION

**Distributed By:** WG Critical Care, LLC.  
120 Route 17 North  
Suite 115  
Paramus, NJ 07652 USA

**Product Name:** **CALCIUM GLUCONATE INJECTION**

**Primary Component/ Active Ingredient:** Calcium Gluconate Monohydrate

**Structure:**



**Chemical Name:** Calcium Gluconate Monohydrate  
**Molecular Formula:**  $C_{12}H_{22}CaO_{14} \cdot H_2O$   
**UNII Code:** UNII-CZNM15R31  
**Chemical Family:** Replenisher

**Product Use:** Prescription Drug  
**Container Information:** Plastic Bag

**Customer Service Phone Number:** +1-888-493-0861  
**Emergency Phone Number:** +1-866-562-4708 (ProPharma)

## 2 HAZARDS IDENTIFICATION

**Classification of Substance or Mixture:** Not Classified  
**Label Elements:** N/A  
**Other Hazards:** N/A  
**Unknown Acute Toxicity:** N/A

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### 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Weight %</u>	<u>CAS No.</u>
Calcium Gluconate Monohydrate	1.96	66905-23-5
Calcium D Saccharate	**	5793-89-5
Sodium Chloride	**	7647-14-5
Hydrochloric Acid	**	7647-01-0
Sodium Hydroxide	**	1310-73-2
Water for Injection	**	7732-18-5

\*\*Additional Information: Ingredients indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

### 4 FIRST AID MEASURES

<b>EYE EXPOSURE:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention
<b>SKIN EXPOSURE:</b>	Wash with plenty of water. Take off immediately all contaminated clothing. Rinse skin with water.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Get medical advice / attention if warranted.
<b>INHALATION:</b>	Remove person to fresh air and keep comfortable. Call a poison center / physician if warranted.
<b>NOTE TO PHYSICIAN:</b>	See product package insert.

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## 5 FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	Not Established
<b>AUTO-IGNITION TEMPERATURE:</b>	Not Established
<b>FLAMMABLE LIMITS IN AIR:</b>	Not established
<b>FLAMMABLE LIMITS:</b>	Not established
<b>EXTINGUISHING MEDIA:</b>	Use alcohol resistant foam, carbon dioxide, dry chemical or water fog or spray. Use extinguishing media that are appropriate to local circumstances and surrounding environment.
<b>UNUSUAL FIRE / EXPLOSION HAZARDS:</b>	Thermal decomposition products may include smoke and toxic fumes. Oxides of carbon, oxides of nitrogen and other organic substances may be formed. Other undetermined low molecular weight hydrocarbon compounds may be released in small quantities depending on specific conditions of combustion.

## 6 ACCIDENTAL RELEASE MEASURE

<b>SPILL:</b>	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Prevent entry to sewers and public waters
<b>METHODS FOR CONTAINMENT AND CLEARING UP:</b>	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams  Use plastic tools to scoop up, sweep or containerize spilled material. Use plastic drums to contain spilled materials. Wipe working surfaces to dryness, and then wash with soap and water. If spilled directly onto the ground, remove enough soil to ensure material is fully recovered.


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## 7 HANDLING AND STORAGE

<b>GENERAL HANDLING:</b>	<p>Additional Hazards When Processed: Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.</p> <p>Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.</p>
<b>STORAGE CONDITIONS:</b>	<p>Technical Measures: Comply with applicable regulations. Storage Conditions: Store in a dry, well ventilated place at 20 - 25 °C (68 - 77 °F). Store away from direct sunlight and incompatible materials.</p> <p>Incompatible Products: Strong acids, strong bases, strong oxidizers. Do not mix with other drugs.</p>

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>RESPIRATORY PROTECTION:</b>	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
<b>EYE PROTECTION:</b>	Chemical safety goggles.
<b>VENTILATION:</b>	Ensure adequate ventilation.
<b>SKIN PROTECTION:</b>	Wear suitable protective clothing.
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	Gloves. Protective clothing. Protective goggles.
	
<b>ADDITIONAL EXPOSURE PRECAUTIONS:</b>	Do not be allowed the product to be released into the environment.



**APPROPRIATE ENGINEERING CONTROLS:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid	<b>SPECIFIC GRAVITY:</b>	1.0
<b>APPEARANCE AND ODOR:</b>	Clear Liquid / Odorless	<b>EVAPORATION RATE:</b>	No data available
<b>BOILING POINT:</b>	No data available	<b>MELTING POINT:</b>	No data available
<b>VAPOR PRESSURE:</b>	No data available	<b>SOLUBILITY IN WATER:</b>	Freely Soluble
<b>VAPOR DENSITY:</b>	No data available	<b>pH:</b>	6.0-8.2

## 10 STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable under recommended handling and storage conditions
<b>INCOMPATIBILITY: (MATERIALS TO AVOID)</b>	Strong acids, strong bases, strong oxidizers.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur
<b>HAZARDOUS DECOMPOSITION:</b>	Thermal decomposition generates oxides of carbon and metal oxides
<b>CONDITIONS TO AVOID:</b>	Direct sunlight, high or low temperatures and incompatible materials.

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## 11 TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

COMPONENT	TYPE	ROUTE	SPECIES	DOSAGE
Sodium Hydroxide	LD50	Dermal	Rabbit	1350mg/kg
Hydrochloric Acid	LD50	Dermal	Rabbit	>5010mg /kg

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Hydrochloric acid (7647-01-0)**

**IARC group**

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

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## 12 ECOLOGICAL INFORMATION

### Toxicity:

<b>Ecology - General</b>	: Not classified.
<b>Sodium hydroxide (1310-73-2)</b>	
<b>LC50 Fish 1</b>	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
<b>EC50 Daphnia 1</b>	40 mg/l
<b>Hydrochloric acid (7647-01-0)</b>	
<b>LC50 Fish 1</b>	3.25 - 3.5 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
<b>EC50 Daphnia 1</b>	4.92 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### Persistence and Degradability:

<b>Calcium Gluconate Injection, USP</b>	
<b>Persistence and Degradability</b>	Not established.

### Bioaccumulative Potential:

<b>Calcium Gluconate Injection, USP</b>	
<b>Bioaccumulative Potential</b>	Not established.

Not available.

## 13 DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of waste in accordance with federal and state regulations.

## 14 TRANSPORT INFORMATION

### REGULATORY ORGANIZATIONS:

**DOT:** Not Regulated

**ICAO / IATA:** Not Regulated

**IMO:** Not Regulated

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## 15 REGULATORY INFORMATION

Below is selected regulatory information chosen primarily for possible WG Critical Care use. This section is not a complete analysis or reference to all applicable regulatory information. Please consider all applicable laws and regulations for your city / state / country.

### US Federal Regulations

**Calcium gluconate monohydrate (299-28-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Sodium hydroxide (1310-73-2)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**SARA Section 311/312 Hazard Classes**

**Hydrochloric acid (7647-01-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the United States SARA Section 302

**SARA Section 302 Threshold Planning Quantity (TPQ) :** 500 (gas only)

**SARA Section 311/312 Hazard Classes:** Immediate acute health hazard

**SARA Section 313 - Emission Reporting**

1.0 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

**Water (7732-18-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### US State Regulations

**Sodium hydroxide (1310-73-2)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
- U.S. - Pennsylvania - RTK (Right to Know) List

**Hydrochloric acid (7647-01-0)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
- U.S. - Pennsylvania - RTK (Right to Know) List

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## 16 OTHER INFORMATION

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS MATERIAL SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PUROPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

Revision Date: 11/09/2018

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

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