

323311



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

1501 East Woodfield Road Emergency Telephone (800) 551-7176
Suite 300 East
Schaumburg, IL 60173
(847) 969-2700

Product Identifier: Calcium Gluconate Injection, USP 10%
Chemical Name: Calcium Gluconate
Category: Electrolyte

SECTION 2 - COMPOSITION

Ingredient	CAS Number	Amount
Calcium Gluconate	299-28-5	94 mg/mL
Calcium Saccharate, Tetrahydrate	5793-89-5	4.5 mg/mL
Water for Injection	7732-18-5	QS

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Inhalation, eye/skin contact, or ingestion
Chemical Listing as
Carcinogen
NTP: No
IARC: No
OSHA: No
Note: NA

SECTION 4 - EMERGENCY & FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek medical attention.
Skin: Remove contaminated clothing immediately. Flush area with water for at least 15 minutes. Wash exposed area with soap and water. Seek medical attention if pain, redness, or swelling persists.
Inhalation: Move exposed subject to fresh air immediately. Give artificial respiration and cardiopulmonary resuscitation (CPR) if required. Seek medical attention.

General Handling: When handling pharmaceutical products, avoid all contact and inhalation of dust, fumes, mist, and/or vapors associated with the product.

Storage Conditions: Store at controlled room temperature 15°-30°C (59°-86°F). Do not permit to freeze.

SECTION 7 - HANDLING AND STORAGE

Clean-Up: Wear recommended personal protective equipment (See Section 8 - Exposure Controls/Personal Protection). Use absorbent towels or brooms to clean-up spill. Wipe surface area clean with soap and water.

SECTION 6 - ACCIDENTAL RISKS/HAZARD MEASURES

Fire Fighting	None
Fire Fighting Instructions	Water spray, dry chemical, carbon dioxide, or foam as appropriate to surroundings.
Fire Fighting Equipment	Wear self-containing breathing apparatus and protective clothing.
Hazardous Combustion Products	None
Fire and Explosion Data	
Closed Cup Flash Point	NI
Open Cup Flash Point	NI
Fire Point	NI
Autoignition	NI
Lower Explosion Limit	NI
Upper Explosion Limit	NI
General Hazard	None

SECTION 5 - FIRE FIGHTING MEASURES

Ingestion: Flush mouth out with water immediately. Seek medical attention.

Contact Info: For Adverse Event Information, please call (800) 551-7176 or (847) 969-2700.

SECTION 4 - EMERGENCY & FIRST AID MEASURES...continued

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General room ventilation is usually satisfactory. Use local exhaust ventilation if necessary.

Personal Protective Equipment

Eye Protection: Safety glasses or goggles recommended.

Hand Protection: Disposable latex gloves recommended.

Respiratory Protection: With satisfactory ventilation, respiratory protection is usually not required.

Skin Protection: Disposable garments if direct skin contact is anticipated.

Exposure Limits:

<u>Compound</u>	<u>Issue</u>	<u>Type</u>	<u>OEL</u>
Calcium Gluconate	OSHA	PBL	15 mg/m ³ Total Dust
	ACGIH	TLV	NB
	---	STEL	NB
Calcium Saccharate, Tetrahydrate	OSHA	PBL	NB
	ACGIH	TLV	NB
	---	STEL	NB
Water for Injection	OSHA	PBL	NB
	ACGIH	TLV	NB
	---	STEL	NB

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form/ Appearance:	Clear, colorless solution
Boiling Point/Boiling Range:	NB
Melting Point/Melting Range:	120°C
Freezing Point:	NB
Vapor Pressure:	NB
Relative Vapor Density:	NB
Percent Volatiles:	NB
pH:	6.0 - 8.2
Molecular Weight:	430.38
Solvent Solubility:	Soluble in water.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES...continued

Note: NA

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Protect from freezing.
Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGY INFORMATION

Signs & Symptoms of Exposure & Overexposure: This product is intended for therapeutic use only when prescribed by a physician. Potential adverse reactions from prescribed doses and overdoses are described in the package insert. Adverse reactions from therapeutic doses include: tingling sensations, a sense of oppression or heat waves, numbness or chalky taste. Vasodilation, decreased blood pressure, bradycardia, cardiac arrhythmias, syncope, and cardiac arrest from rapid intravenous injection. Occupational exposure has not been fully investigated.

Medical Conditions Aggravated by Accidental Exposure: Individuals with ventricular fibrillation, hypercalcemia, or serum calcium levels above normal.

Acute Toxicity:

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Dosage</u>
Calcium Gluconate	LD ₅₀	Oral	Rat	950 mg/kg

Other: IMMEDIATE EFFECTS:
Irritation to the eye, skin, and respiratory tract may occur.

DELAYED EFFECTS:
None known.

SECTION 12 - TRANSPORTATION INFORMATION

UN/NA Number: NA
U.S. DOT Hazard Class: NA
Proper Shipping Name: NA
Shipping Label: NA

SECTION 13 - DISPOSAL INFORMATION

Disposal Procedure: Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state, and local regulations.

SECTION 14 - OTHER

Key to Abbreviations:

- ACGIH - American Conference of Governmental Industrial Hygienists
- HEPA - High Efficiency Particulate Air
- IARC - International Agency for Research on Cancer
- NA - Not Applicable
- NE - Not Established
- NG - Not Given
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OEL - Occupational Exposure Limit
- OSHA - Occupational Safety and Health Administration
- PBI - Permissible Exposure Limit
- PPM - Parts Per Million
- QS - Quantity Sufficient
- RCRA - Resource Conservation and Recovery Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- USP - United States Pharmacopeia

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