373311

Abraxis Pharmaceutical Products

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

1501 East Woodfield Road
Suite 300 East
Schaumburg, IL 60173
(847) 969-2700

Emergency Telephone (800) 551-7176

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.

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

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 5 - FIRE FIGHTING MEASURES

Fire and Explosion Data

Closed Cup Flash Point:	NE
Open Cup Flash Point:	NE
Fire Point:	NE
Autoignition:	NE
Lower Explosion Limit:	NE
Upper Explosion Limit:	NE
General Hazard:	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

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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 7 - HANDLING AND STORAGE

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 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:

Compound	Issuer	Type	OEL
Calcium Gluconate	OSHA	PEL	15 mg/m³ Total Dust
	ACGIH	TLV	NE
	---	STEL	NE
Calcium Saccharate, Tetrahydrate	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE
Water for Injection	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form/ Appearance:	Clear, colorless solution
Boiling Point/Boiling Range:	NE
Melting Point/Melting Range:	120°C
Freezing Point:	NE
Vapor Pressure:	NE
Relative Vapor Density:	NE
Percent Volatiles:	NE
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, calcium 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:

Compound	Type	Route	Species	Dosage
Calcium Gluconate	LD_{50}	Oral	Rat	950 mg/kg

Other:

IMMEDIATE EFFECTS:
Eye, skin, and respiratory irritation 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
PEL - 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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