



**BJ SERVICES COMPANY**  
**MATERIAL SAFETY DATA SHEET**

Region  
USA

**SECTION I - GENERAL INFORMATION**

PRODUCT NAME: **Calcium Chloride**  
ITEM NUMBER : 100112, B02-080-30-0, B02-090-00-0  
CHEMICAL DESCRIPTION: Calcium chloride pellets  
PRODUCT USE: Salt  
SUPPLIER: BJ Services Company  
ADDRESS: 11211 FM 2920  
Tomball, TX 77375  
**EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC  
(703)527-3887 for Alaska and International**  
PREPARED BY: BJ Services Environmental Group  
(281)351-8131  
DATE PREPARED: October 28, 2003  
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**HMIS HAZARD INDEX**  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 1  
PERSONAL PROTECTION: g

**SECTION II - HAZARDOUS COMPONENTS**

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Calcium chloride	010043-52-4	96-98	Irritant

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

FLASHPOINT (METHOD): N.A.  
UPPER EXPLOSION LIMIT(% BY VOL): N.A.  
LOWER EXPLOSION LIMIT(% BY VOL): N.A.  
AUTO-IGNITION TEMPERATURE: N.A.  
EXTINGUISHING MEDIA: Material does not burn. Use appropriate media for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: None  
EXPLOSION DATA: N.A.  
HAZARDOUS COMBUSTION PRODUCTS: None

**SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Skin and eye contact, inhalation, ingestion

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Prolonged or repeated contact with skin may cause irritation or contact dermatitis.  
SKIN ABSORPTION: Not absorbed by skin.  
EYE CONTACT: Eye contact may cause irritation and redness.  
INHALATION: Inhalation of high levels of vapors or mists may cause lightheadedness, dizziness, headaches or unconsciousness.  
INGESTION: May be harmful if ingested.

CHRONIC OVEREXPOSURE EFFECTS: N.E.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Calcium chloride	10 mg/m <sup>3</sup> TLV is for nuisance dust	N.E.

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogen - IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:

No effects known

TOXICITY STUDIES:

LD(50) 2500 mg/kg (rat)  
LC(50) N.E.

**SECTION V - FIRST AID PROCEDURES**

FOR EYES: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, contact a physician.  
FOR SKIN: Flush skin with water or wash with mild soap and water if available. If irritation persists, contact a physician. Wash clothing before reuse.  
FOR INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.  
FOR INGESTION: Give plenty of water. Induce vomiting! Never give anything to an unconscious person. Call a physician.

**SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR: White solid flakes, no odor  
SPECIFIC GRAVITY: 2.15 @25°C Bulk density: 06 g/ml  
VAPOR PRESSURE: 1.0  
VAPOR DENSITY (air=1): N.A.  
EVAPORATION RATE: N.A.  
BOILING POINT: >1600°C  
FREEZING POINT: 772°C  
SOLUBILITY IN H<sub>2</sub>O: 30% @ 55°C 50% @ 29°C

pH: N.A.

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY: Stable  
INCOMPATIBLE MATERIALS: Exothermic solution in water. At 18°C in 400 moles of water, 292 BTU per lb. are produced. Sulfuric acid: yields hydrogen chloride gas which is corrosive, irritating, and reactive.  
HAZARDOUS POLYMERIZATION: Does not polymerize  
HAZARDOUS DECOMPOSITION PRODUCTS: None

## **SECTION VIII - SPECIAL/PERSONAL PROTECTION**

VENTILATION: The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.  
RESPIRATORY PROTECTION: As needed.  
PROTECTIVE GLOVES: Rubber  
EYE PROTECTION: Goggles  
OTHER PROTECTIVE EQUIPMENT: Clean, long sleeved and legged clothing.

## **SECTION IX - HANDLING PRECAUTIONS**

LEAK AND SPILL PROCEDURES: Sweep up and place in suitable containers for reuse or disposal.  
WASTE DISPOSAL: If this product becomes a waste it does not meet the requirements of a RCRA hazardous waste. Always dispose of according to all local state, and federal regulations.  
HANDLING & SPECIAL EQUIPMENT: Avoid skin and eye contact. Avoid breathing dust.  
STORAGE REQUIREMENTS: Store in a cool, dry place. Keep container tightly closed.

## **SECTION X - REGULATORY INFORMATION**

### **SHIPPING INFORMATION**

PROPER SHIPPING NAME: Not DOT Regulated  
HAZARD CLASS: N.A.  
UN/NA NUMBER: N.A.  
PACKING GROUP W/ "PG": N.A.  
SUBSIDIARY RISK: N.A.  
REPORTABLE QUANTITY (RQ): N.A.  
EMERGENCY RESPONSE GUIDE #: N.A.

### **ENVIRONMENTAL INFORMATION**

#### **SARA TITLE III**

SECTION 302/304 This product does not contain ingredients listed as an Extremely Hazardous Substance.  
SECTION 311/312 Immediate

SECTION 313

This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

**OTHER REGULATORY INFORMATION**

TSCA INVENTORY:

All of the components in this appear on the TSCA inventory.

CALIFORNIA PROP 65:

None of the chemicals on the current Proposition 65 list are known to be present in this product.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.