

# MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

Manufacturer: ProChem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

Phone: (815) 398-1788  
Fax: (815) 398-1810  
E-Mail: Prochem1@aol.com

---

## SECTION 1 Product Identification

---

**CHEMICAL NAME:** Barium chloride, anhydrous  
**CAS #:** 10361-37-2  
**FORMULA:** BaCl<sub>2</sub>  
**SYNONYM:** Barium dichloride

---

## SECTION 2 Composition and Information on Ingredients

---

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10361-37-2	100	0.5mg/m <sup>3</sup> (as Ba -soluble)	0.5mg/m <sup>3</sup> (as Ba - soluble)

---

## SECTION 3 Hazards Identification

---

**EMERGENCY OVERVIEW:** Water soluble barium compounds are generally poisonous when taken by mouth. Barium interacts with the cell wall causing indiscriminate stimulation of all muscle cells.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion

**EYE CONTACT:** May cause slight to mild irritation of the eyes.

**SKIN CONTACT:** May cause slight to mild irritation of the skin.

**INHALATION:** May cause difficulty in breathing, tightness of the muscles of the face and neck.

**INGESTION:** Vomiting, irregular heartbeat, pain, tremors, convulsions, and cardiac arrest.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

**ACUTE HEALTH EFFECTS:** May cause difficulty in breathing, vomiting, tremors, weakness, and death from cardiac and respiratory failure Barium forms a protein adduct in serum and is deposited in bone.

---

## SECTION 4 First Aid Measures

---

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.