

GHS SAFETY DATA SHEET

**1. IDENTIFICATION**

**Product Name:** Barium Carbonate – All Grades - including:  
Type FF, Type CFF, AQUA-FLO<sup>®</sup>, and MICRO-FLO<sup>®</sup>

SYNONYMS: Precipitated Barium Carbonate  
Carbonic Acid, Barium salt

Recommended for industrial use as:

- a component of specialty glasses, ceramic bricks, tiles, and glazes,
- a raw material for the production of industrial coatings and catalysts,
- for soluble sulfate removal from industrial processes and wastewaters,
- a component of articles added to provide x-ray opacity.

Industrial uses advised against: None.

Molecular formula - BaCO<sub>3</sub>  
CAS No. 513-77-9

MANUFACTURER: Chemical Products Corporation  
102 Old Mill Road  
P.O. Box 2470  
Cartersville, Georgia 30120  
Telephone: 1-770-382-2144

TRANSPORTATION EMERGENCY: CHEMTREC, 800-424-9300

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**2. HAZARD IDENTIFICATION**



**WARNING**

Acute toxicity, Oral (Category 4), H302  
**HARMFUL IF SWALLOWED**

**HARMFUL IF INHALED**                      **MAY CAUSE EYE AND SKIN IRRITATION**  
Do not eat, drink or smoke when using this product.

Wear protective gloves and eye protection.

Use with adequate ventilation or wear a dust mask if excessive dust is present.

Wash hands and face thoroughly after handling.

Dispose of contents/container in accordance with local, state and federal regulations.

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**Carcinogenicity:** NTP.....: No evidence of carcinogenicity.  
IARC.....: Not listed.  
OSHA.....: Not regulated.

**Medical Conditions Aggravated by Exposure:** None are known.

### 3. **COMPOSITION / INFORMATION ON INGREDIENTS**

<u>COMPONENT</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>	<u>% BY WT</u>
Barium Carbonate	513-77-9	OSHA PEL: 0.5 mg/cu m as Ba 0.74 mg/cu m as This Product ACGIH TLV-TWA: Same	ca 97.0

### 4. **FIRST AID MEASURES**

If medical attention is sought, show this safety data sheet to the doctor in attendance.

#### **If swallowed**

Induce vomiting immediately, as directed by medical personnel. Give Epsom salts (magnesium sulfate) or Glauber's Salt (sodium sulfate) dissolved in water. Get medical attention immediately and contact a poison control center.

**Never give anything by mouth to an unconscious person.**

#### **If inhaled**

Move victim into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

#### **In case of skin contact**

Wash off with soap and plenty of water. Wash contaminated clothing before reuse.

#### **In case of eye contact**

Flush eyes with water as a precaution with large amounts of water for at least 15 minutes and get medical attention if irritation persists.

#### **Most important symptoms and effects, both acute and delayed**

Ingestion causes stomach pain, vomiting, and diarrhea. Muscle stimulation followed by transient paralysis may initiate hours after ingestion.

Acute overexposure will cause severe abdominal pain, violent purging with watery and bloody stools, vomiting, muscle twitching, hypertension, and confusion, followed by transient muscle paralysis including potentially fatal paralysis of the respiratory muscles. Barium is eliminated from the body over several days. Chronic overexposure may lead to varying degrees of paralysis of the extremities; hypertension may also be present. Symptoms of overexposure will disappear over several days as the body eliminates barium in the feces.

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Hypokalemia is usually present in cases of overexposure; potassium should be administered - large doses may be required.

**Physician:** Administer potassium intravenously to counteract the effect of barium.

## 5. **FIRE FIGHTING MEASURES**

**Flashpoint:** Non-Flammable.

**Flammability:** Non-Flammable.

**Autoignition:** Non-Flammable.

**General Hazard:** No fire hazard. Will decompose releasing carbon dioxide gas at extremely high temperatures. This product is toxic if ingested.

**Fire Fighting Instructions:** Limit water runoff if it is likely to contain suspended barium carbonate. Add soluble sulfate such as sodium sulfate to the water to make it nonhazardous.

**Fire Fighting Equipment:** No special equipment is required. Wash away any barium carbonate which may contact the body, clothing, or equipment.

**Hazardous Combustion Products:** None.

## 6. **ACCIDENTAL RELEASE MEASURES**

**General:** Avoid generating dust. Use appropriate Personnel Protective Equipment (PPE). Spilled product could be a RCRA D005 characteristic hazardous waste because of its soluble barium content. Waste containing more than 0.2% soluble barium is hazardous under the RCRA criteria. Do not dump into sewers, on the ground, or into any body of water. Soluble barium can be rendered nonhazardous by reaction with excess sulfate to form insoluble barium sulfate. Any disposal practice must be in compliance with local, state, and federal laws and regulations. (Contact local or state environmental agency for specific rules).

**Small Spill:** Carefully shovel up or sweep up spilled material and place in suitable container.

**Large Spill:** Try to keep material dry and prevent material from entering storm sewers or ditches leading to natural waterways. Mix with excess sulfate to make the material nonhazardous, or dispose of material in an approved hazardous waste landfill.







