Material Safety Data Sheet
Barium Carbonate, 99.999%

Section 1 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white to gray white solid.

**Warning!** Harmful if swallowed. Causes eye and skin irritation. Causes digestive and respiratory tract irritation. May cause kidney damage. May cause cardiac disturbances. May cause lung damage. May cause adverse reproductive effects based upon animal studies. **Target Organs:** Heart, liver, gastrointestinal system, muscles.

**Potential Health Effects**

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation.

**Ingestion:** Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver damage. May cause cardiac disturbances. May cause adverse effects of the musculature. Human fatalities have been reported from acute poisoning.

**Inhalation:** May cause respiratory tract irritation. May cause lung damage.

**Chronic:** Prolonged or repeated skin contact may cause dermatitis. Adverse reproductive effects have been reported in animals.

Section 2 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid if irritation develops or persists. Rinse area with large amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**Notes to Physician:** Treat symptomatically and supportively.

Section 3 - Personal Protection

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear impervious gloves.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 4 - Physical and Chemical Properties

Physical State: Solid
Appearance: white to gray white
Odor: odorless
pH: Not available.
Boiling Point: 2372. deg F
Freezing/Melting Point: 1492. deg F
Decomposition Temperature: Not available.
Solubility: Negligible in water.

Section 5 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: Incompatible materials, dust generation, excess heat.
Incompatibilities with Other Materials: 2-Furanpercarboxylic acid and bromine trifluoride.
Hazardous Decomposition Products: Irritating and toxic fumes and gases, carbon dioxide, barium oxide.
Hazardous Polymerization: Has not been reported.