

**GFS CHEMICALS, INC.**

P.O. Box 245 Powell, OH 43065  
740-881-5501(Tel.) 740-881-5989(Fax)  
1-800-424-9300(Chemtrec 24Hr. Info.)

**MATERIAL SAFETY DATA SHEET**

8

**BARIUM PERCHLORATE, TRIHYDRATE**

**CHEMICAL NAME & SYNONYMS**

Barium Perchlorate, Trihydrate

**DOT CLASS**

5.1/6.1/II

**SARA TITLE 313**

Yes-Ba Cmpds

**TSCA listed** - Yes

**FORMULA**

Ba(ClO<sub>4</sub>)<sub>2</sub>•3H<sub>2</sub>O

**REPORTABLE QUANTITY**

N/A

**F.W.**

390.28

**CAS#**

10294-39-0 (hyd)  
13465-95-7 (anh)

**PHYSICAL DATA**

Deliquescent. Soluble in water, alcohol and acetone.

**APPEARANCE & ODOR**

White crystals. Odorless.

**REACTIVITY & CONDITIONS TO AVOID**

Stable. Potentially strong oxidant (over 150°C). Do not heat with organic matter, flammables or combustibles. Avoid contact with strong acids.

**FIRE HAZARDS**

May cause fire or explosion with organic matter. Fumes may contain chlorine or chlorinated compounds. Firefighters wear SCBA. NFPA # 2-1-1.

**EXTINGUISHER**

Water Spray.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Irritating to skin, eyes and mucous membranes. Harmful if swallowed or inhaled. Symptoms of poisoning: Acute-abdominal pain, vomiting, rapid pulse and paralysis. Chronic-irritation of skin, eyes and throat. OSHA PEL/ACGIH TLV: TWA 0.5 mg (Ba)/m<sup>3</sup>. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Wear goggles and rubber gloves while handling. Use good ventilation or suitable respirator if dust is raised. Store in well sealed container away from flammables, combustibles and organic matter.

**FIRST AID**

Wash skin and eyes thoroughly with water. If irritation persists, get medical attention. If swallowed, give water or milk to drink and get medical attention.

**SPILLS & LEAKS**

Contain spill to prevent entrance to drain. Take up with water and inorganic absorbent. Disposal to hazardous waste. Check local regulations for sewer limitations prior to disposal.

**CATALOG #**

8

**PREPARED BY**

MDM

**DATE**

October 4, 2006