

**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**

357

**BISMUTHYL PERCHLORATE, MONOHYDRATE**

**CHEMICAL NAME & SYNONYMS**

Bismuthyl Perchlorate, Monohydrate

**DOT CLASS**

5.1/II

**SARA TITLE 313**

No

**FORMULA**

BiOClO<sub>4</sub>.H<sub>2</sub>O

**F.W.**

342.47

**CAS#**

54509-78-3

**PHYSICAL DATA**

Water soluble.

**APPEARANCE & ODOR**

Damp white crystals. Odorless.

**REACTIVITY & CONDITIONS TO AVOID**

Oxidizer. Avoid contact with organic matter, particularly alcohols, wood and paper.

**FIRE HAZARDS**

May cause fire or explosion with reducing agents, combustibles or flammables. Avoid inhalation of smoke.

**EXTINGUISHER**

Water Spray.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Corrosive and irritating to skin, eyes and mucous membranes. Internal hazard is corrosivity. Toxicity is moderate. LD/TD no data. TLV/PEL not established. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Store away from flammables, strong mineral acids. Wear goggles and rubber gloves while handling.

**FIRST AID**

Wash affected area well with water. If eye irritation persists, get medical attention. If swallowed, give water with milk of magnesia. Get medical attention.

**SPILLS & LEAKS**

Wash up with plenty of water. Flush to sewer or leach bed. Check local regulations for disposal of bismuth.

**CATALOG #**

357

**PREPARED BY**

LM

**DATE**

7/1/96