

**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**

348

**MAGNESIUM IODATE TETRAHYDRATE, PRIMARY STANDARD**

**CHEMICAL NAME & SYNONYMS**

Magnesium Iodate Tetrahydrate, Primary Standard

**DOT CLASS**

OM

**SARA TITLE 313**

No

**FORMULA**

Mg(IO<sub>3</sub>)<sub>2</sub>·4H<sub>2</sub>O

**F.W.**

446.20

**CAS#**

7790-32-1

**PHYSICAL DATA**

Density 3.3-4H<sub>2</sub>O at 210 C; Soluble in water 10 g/100 ml at 20 C.

**APPEARANCE & ODOR**

White crystals. Odorless.

**REACTIVITY & CONDITIONS TO AVOID**

Oxidizing. Contact with reducing agents may cause decomposition to free iodine.

**FIRE HAZARDS**

May cause fire or deflagration with certain strong reducing agents or combustibles. Avoid inhalation of fumes.

**EXTINGUISHER**

Water Spray.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

May be irritating to skin and eyes. Not considered toxic hazard. LD/TD no data. PEL/TLV not established. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Use rubber gloves and dust mask.

**FIRST AID**

Wash affected area well with water. If eye irritation persists, get medical attention. If swallowed, give water or milk and induce vomiting.

**SPILLS & LEAKS**

Wash up with water. Disposal to sanitary sewer.

**CATALOG #**

348

**PREPARED BY**

LM

**DATE**

1/24/91