

**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**

44

**IODIC ACID**

**CHEMICAL NAME & SYNONYMS**

Iodic Acid

**DOT CLASS**

5.1/II

**SARA TITLE 313**

No

**TSCA listed** - Yes

**FORMULA**

HIO<sub>3</sub>

**REPORTABLE QUANTITY**

N/A

**F.W.**

175.91

**CAS#**

7782-68-5

**PHYSICAL DATA**

Density 4.63. Melting point 110°C. Very soluble in water.

**APPEARANCE & ODOR**

White crystals. Faint odor similar to Iodine.

**REACTIVITY & CONDITIONS TO AVOID**

Oxidizing. Stable at normal temperature. Decomposes to Iodine Pentoxide then to Iodine and Oxygen at elevated temperatures.

**FIRE HAZARDS**

May cause fire in contact with combustible matter or strong reducing agent. Avoid inhalation of fumes or smoke. NFPA # 2-1-1.

**EXTINGUISHER**

Water Spray

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Corrosive and irritating to skin, eyes and mucous membranes. Internal danger due to corrosivity. LD/TD no data. OSHA PEL/ACGIH TLV not established. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Wear goggles and rubber gloves while handling. Store in glass bottles only.

**FIRST AID**

Wash skin and eyes thoroughly with water. Get medical attention for eyes. If swallowed, give milk of magnesia or milk and get medical attention. Do not induce vomiting.

**SPILLS & LEAKS**

Sweep solids. Wash up with water. Disposal to landfill or sanitary drain after neutralization with soda ash. Check local regulations.

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**CATALOG #**

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**PREPARED BY**

MDM

**DATE**

February 20, 2004