

GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

5

BARIUM IODATE

CHEMICAL NAME & SYNONYMS

Barium Iodate

DOT CLASS

5.1/II

SARA TITLE 313

Yes Barium cmpds

TSCA listed - Yes

FORMULA

Ba(IO₃)₂•H₂O

REPORTABLE QUANTITY

N/A

F.W.

505.15

CAS#

7787-34-0 (hyd.)
10567-69-8 (anh)

PHYSICAL DATA

Density 5.0; Slightly soluble in water.

APPEARANCE & ODOR

White crystalline powder. Slight odor characteristic of iodates.

REACTIVITY & CONDITIONS TO AVOID

Stable. Oxidizing material. Avoid ingestion or inhalation of dust. Incompatible with reducing agents or combustible material.

FIRE HAZARDS

May cause reaction with certain strong reducing materials. Decomposition in general fire yields oxides of barium and iodine vapor. Firefighters use SCBA and avoid fumes. NFPA # 2-0-1.

EXTINGUISHER

Use water spray.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

May be irritating to skin, eyes and mucous membranes. Harmful if swallowed or inhaled. Symptoms: Abdominal pain, vomiting, rapid pulse and paralysis. Chronic exposures lead to irritation of throat, eyes and dermatitis. LD/TD no data. OSHA PEL/ACGIH TLV: TWA 0.5 mg (Ba)/m³. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles. Handle with rubber gloves. Use good ventilation or suitable respirator if dust is raised.

FIRST AID

Wash with water after contact. For eyes, get medical attention if irritation persists after water wash. If swallowed, give water containing Epsom salt (Magnesium sulfate) and get medical attention. Do not induce vomiting unless directed by a physician.

SPILLS & LEAKS

Sweep up and wash area with plenty of water. Disposal to hazardous waste (barium containing waste).

CATALOG #

5

PREPARED BY

MDM

DATE

October 4, 2006