

GFS CHEMICALS, INC.
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1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

930

HYDROBROMIC ACID, 48%

CHEMICAL NAME & SYNONYMS

Hydrobromic Acid, 48%

DOT CLASS

8/II

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

HBr 48%

H₂O 52%

REPORTABLE QUANTITY

N/A

N/A

F.W.

80.91

18.02

CAS#

10035-10-6

7732-18-5

PHYSICAL DATA

Density 1.5; Boiling point 126°C; Vapor pressure 8 mm @ 25°C; Completely miscible with water.

APPEARANCE & ODOR

Clear liquid. Colorless when first prepared, may be pink or yellow after exposure to air. Pungent odor.

REACTIVITY & CONDITIONS TO AVOID

No self reactions. Strongly acidic and corrosive. May release bromine in the presence of strong oxidizers.

FIRE HAZARDS

Will volatilize, releasing toxic and corrosive fumes, in general fire conditions. Avoid inhalation of fumes. Firefighters wear SCBA. NFPA # 3-0-0.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Corrosive and irritating to skin, eyes and mucous membranes. Health hazard is due to the corrosive nature. TC_{Lo} (ihl-human) 3 ppm-irritating. OSHA PEL TWA 3 ppm; ACGIH TLV Ceiling 3 ppm; NIOSH immediately dangerous to life or health 30 ppm. LD₅₀ (ihl-rat) 2858 ppm (HBr)/1 Hour; LD₅₀ (ihl-mouse) 814 ppm (HBr)/1 Hour. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling. Use only in hood or use suitable respirator to avoid inhalation of fumes.

FIRST AID

Wash skin and eyes thoroughly with water after contact. Get medical attention for eyes. Inhalation-remove to fresh air. If breathing is difficult, give oxygen. If swallowed, give water or milk to drink, ice to suck. Get medical attention & do not induce vomiting.

SPILLS & LEAKS

Ventilate area. Use lime or soda ash to neutralize. Dilute spill with water. Wash neutralized spill to sanitary drain (check local regulations). Large amounts to hazardous waste. Use respirator to avoid inhalation of fumes during clean up.

CATALOG #

930

PREPARED BY

MDM

DATE

December 10, 2003