

GFS CHEMICALS, INC.

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1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

2399

HYDRIODIC ACID, 47%

CHEMICAL NAME & SYNONYMS

Hydriodic Acid, 47%, (with stabilizer)

DOT CLASS

8/II

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

HI 47%

H₂O >50%

H₃PO₃ <1.5% (as stabilizer)

REPORTABLE QUANTITY

N/A

N/A

N/A

F.W.

127.92

18.02

66.00

CAS#

10034-85-2

7732-18-5

6303-21-5

PHYSICAL DATA

Density 1.5; Completely miscible with water; Boiling point 127°C; 100% volatile; May have some free Iodine; pH (0.1 M solution) 1.

APPEARANCE & ODOR

Colorless to straw-yellow liquid. Pungent, irritating odor.

REACTIVITY & CONDITIONS TO AVOID

No dangerous self-reaction. Incompatible with oxidizers and metals. Attacks natural rubber. Protect from light.

FIRE HAZARDS

Not combustible. Will evaporate at elevated temperatures giving off corrosive irritating vapors. Firefighters wear SCBA. NFPA # 3-0-0.

EXTINGUISHER

Water spray to cool containers.

Fight surrounding fire

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Highly irritating and corrosive to skin, eyes and mucous membranes. Inhalation or swallowing may be fatal due to spasm and swelling of larynx or bronchi. OSHA PEL/ACGIH TLV not established. LD/TD no data. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles or face shield, rubber gloves and protective clothing while handling. Use only with adequate ventilation. Safety shower and eyewash nearby.

FIRST AID

Wash skin and eyes thoroughly with water. Get medical attention for eyes. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. If swallowed, give water to drink, ice to suck. Do not induce vomiting. Get immediate medical attention.

SPILLS & LEAKS

Wash area up with water after neutralizing spill with lime or soda ash. Disposal of neutralized spill to sanitary drain is acceptable in most areas. Check local regulations.

CATALOG #

2399

PREPARED BY

MDM

DATE

March 31, 2005