

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

98

SULFAMIC ACID

CHEMICAL NAME & SYNONYMS

Sulfamic Acid; Aminosulfonic Acid

DOT CLASS

8/III

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

NH₂SO₃H

REPORTABLE QUANTITY

N/A

F.W.

97.10

CAS#

5329-14-6

PHYSICAL DATA

Density 2.126; Melting point 200°C; Decomposes prior to boiling; Soluble in water but slowly hydrolyses to ammonium bisulfate.

APPEARANCE & ODOR

White crystals. Odorless

REACTIVITY & CONDITIONS TO AVOID

Corrosive. Stable when dry. No hazardous self-reaction. Incompatible with chlorine and Fuming Nitric acid. Hydrolyses to ammonium bisulfate in water.

FIRE HAZARDS

Will decompose in general fire conditions yielding toxic and irritating gases. NFPA # 2-0-2.

EXTINGUISHER

Fight surrounding fire

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Corrosive and irritating to skin, eyes and mucous membranes. Oral toxicity low LD₅₀ (oral-rat) 3160 mg/kg. Symptoms-irritation of throat and lungs. OSHA PEL/ACGIH TLV not established. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling. If dust is present use adequate ventilation or suitable respirator. Store in well sealed container protected from moisture.

FIRST AID

Wash skin and eyes thoroughly with water. After washing eyes, get medical attention. If inhaled, remove to fresh air. If breathing is difficult or painful, get medical attention. If swallowed give water to drink and get medical attention.

SPILLS & LEAKS

Contain spill, minimizing dust formation. Neutralize spill with soda ash or lime. Take up in absorbent and dispose to hazardous waste. Small amounts, neutralize and flush to sanitary drain, check local regulations.

CATALOG #

98

PREPARED BY

MDM

DATE

June 17, 2005