

MATERIAL SAFETY DATA SHEET

EM SCIENCE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer.....: Preparation Date.: 12/11/98

A Division of EM Industries Information Phone Number.: 856-423-6300

P.O. Box 70 Hours: Mon. to Fri. 8:30-5

480 Democrat Road Chemtrec Emergency Number: 800-424-9300

Gibbstown, N.J. 08027 Hours: 24 hrs a day

SX0770 SX0775

Sodium Sulfide

Sodium Monosulfide

Chemical Family:

Formula:

Molecular Weight.: 240.18

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Appr %
	1313-84-4	100%

EMERGENCY OVERVIEW

CAUSES BURNS.

CONTACT WITH ACID LIBERATES POISONOUS GAS.

Appearance:

White to slightly yellow crystals or granules

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Can cause severe irritation or burns to eyes, skin and

Ingestion can cause nausea, vomiting, diarrhea, headache,

Inhalation can cause nasal congestion, cough, shortness of

Medical Cond. Aggravated by Exposure:

Heart and respiratory conditions

Routes of Entry:

Carcinogenicity:

The material is not listed (IARC, NTP, OSHA) as cancer causing

4. FIRST AID MEASURES

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Eyes: Immediately flush thoroughly with water for at least 15

Skin: Immediately flush thoroughly with large amounts of water.

Inhalation: Remove to fresh air; give artificial respiration if

Ingestion: Do not induce vomiting; if conscious, give water

Remove contaminated clothing and wash before reuse.

5. FIRE FIGHTING MEASURES

Flash Point (F) : N/A

Flammable Limits LEL (%): N/A

Flammable Limits UEL (%): N/A

Extinguishing Media . . :

Water fog

Wear self-contained breathing apparatus and protective clothing.

Emits flammable and toxic hydrogen sulfide gas.

6. ACCIDENTAL RELEASE MEASURES

Spill Response:

Evacuate the area of all unnecessary personnel.

Wear suitable protective equipment listed under Exposure /

Eliminate any ignition sources until the area is determined to be

Contain the release and eliminate its source, if this can be done

Take up and containerize for proper disposal as described under

Comply with Federal, State, and local regulations on reporting

releases. Refer to Regulatory Information for reportable

7. HANDLING AND STORAGE

Handling & Storage:

Store in a cool, dry, well-ventilated area.

Product corrodes containers not made of iron or steel.

Do not get in eyes, on skin, or on clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Material must be handled or transferred in an approved fume hood

Protective gloves must be worn to prevent skin contact

Safety glasses with side shields must be worn at all times.

Wash thoroughly after handling.

Do not take internally.

Eye wash and safety equipment should be readily available.

OSHA - PEL:

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (C 760 mmHg) : 920C Decomposes

Specific Gravity (H2O = 1) : 1.43 16C

Vapor Pressure (mm Hg). . . : N/A

Percent Volatile by vol (%): N/A

Vapor Density (Air = 1). . . : N/A

Evaporation Rate (BuAc = 1): N/A

Solubility in Water (%). . . : Soluble

Appearance :

White to slightly yellow

10. STABILITY AND REACTIVITY

Stability: Yes

Does not occur

Hazardous Decomposition:

Conditions to Avoid:

Reacts with acid to form toxic hydrogen sulfide gas.

Corrodes containers not made of iron or steel.

() Water

() Bases

(X) Oxidizers

(X) Other: Nonferrous metals and their alloys like aluminium, copper,

11. TOXICOLOGICAL INFORMATION

Toxicity Data

Toxicological Findings:

Cited in Registry of Toxic Effects of Chemical Substances (RTECS)

EPA Waste Numbers: D003

Treatment:

Specified Technology - Contact your local permitted waste disposal site (TSD) for permissible treatment sites.

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE

COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

DOT Proper Shipping Name:

Sodium Sulfide, Hydrated

UN1849

14. REGULATORY INFORMATION

This product is a "Mixture". The CAS numbers of all components are listed on the TSCA Inventory.

Component	SARA EHS	SARA EHS TPQ	CERCLA RQ
	(302)	(lbs)	(lbs)

— —

	OSHA	SARA	DeMinimis
Component	Floor List	313	for SARA 313
			(%)

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

Comments:

NFPA Hazard Ratings:

Health : 2

Reactivity : 0

Revision History: 8/1/84 10/27/87 3/1/91 1/23/92

| = Revised Section
N/A = Not Available

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