

Phillipsburg, N.J. 08865 222 Red School Lane 24-Hour Emergency Telephone -- (201) 859-2151

> Chemtrec # (800) 424-9300 National Response Center # (800) 424-8802



S5042 -01

Sodium Sulfide, 9-Hydrate

Page: 1

Effective: 10/11/85 

Issued: 06/23/86

SECTION I - PRODUCT IDENTIFICATION 

Product Name:

Sodium Sulfide, 9-Hydrate

Formula:

Na 5+9H 0

Formula Wt:

CAS No.:

240.18 01313-84-4

NIOSH/RTECS No.: WE1925000

Common Synonyms: Sodium Sulfide, Nonahydrate

Product Codes: 

3910,31111

PRECAUTIONARY LABELLING 

BAKER SAF-T-DATA TM System

HEALTH

REACTIVITY

MODERATE Laboratory Protective Equipment











Precautionary Label Statements

WARNING!

FLAMMABLE SOLID

CONTACT WITH ACID LIBERATES POISONOUS GAS.

HARMFUL IF SWALLOWED CAUSES IRRITATION

Keep away from heat, sparks, flame. Avoid contact with eyes, skin, clothing. Keep in tightly closed container. Wash thoroughly after handling. In case of fire, soak with water. In case of spill, sweep up and remove. Flush spill area with water.

SECTION II - HAZARDOUS COMPONENTS

Component

CAS No.

Sodium Sulfide, 9-Hydrate  90-100 1313-84-4

For information only; anhydrous form

1313-82-2

Continued on Page:

0010



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Chemtrec # (800) 424-9300 National Response Center # (800) 424-8802 MATERIAL SAFETY DATA SHEET

S5042 -01 Effective: 10/11/85	Sodium Sulfide, 9-Hyd	Issued: 06/23/86
	- HAZARDOUS COMPONENT	rs (Continued)
s	ECTION III - PHYSICAL	
Boiling Point: N/A		Vapor Pressure(mmHg): N/A
bb111.1g 101.111 1111		
Melting Point: 50°C (	122°F)	Vapor Density(air=1): N/A
Specific Gravity: 1.43 (H <sub>2</sub> O=1)		Evaporation Rate: N/A (Butyl Acetate=1)
Solubility(H <sub>2</sub> 0): Appreci	able (more than 10 %)	% Volatiles by Volume: 0
Appearance & Odor: Yellow	crystals with odor of	hydrogen sulfide.
	U - FIRE AND EXPLOSION	
Flash Point: N/A	******	
Fire Extinguishing Media Use water spray.		
breathing apparatus wi	ar proper protective e th full facepiece oper ire area if it can be	equipment and self-contained ated in positive pressure mode. done without risk. Use water
Unusual Fire & Explosion Has Can be an explosion has	zards zard, especially when	heated.
<u>Toxic Gases Produced</u> hydrogen sulfide		
SEC'	rion u - health hazard	DATA
Toxicity: LD <sub>50</sub> (ipr-mouse	)(mg/kg)	- 53
Effects of Overexposure Contact with skin or e	yes may cause severe i	rritation or burns.
Emergency and First Aid Proc CALL A PHYSICIAN. If swallowed, if consc: In case of contact, im least 15 minutes. Flus	ious, immediately indu nediately flush eyes w	ce vomiting. ith plenty of water for at



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Page: 3 Sodium Sulfide, 9-Hydrate 55042 -01 Issued: 06/23/86 Effective: 10/11/85 SECTION UI - REACTIVITY DATA Hazardous Polymerization: Will not occur Stability: Stable Conditions to Avoid: heat, flame, sources of ignition strong oxidizing agents, strong acids, Incompatibles: most common metals Decomposition Products: hydrogen sulfide SECTION VII - SPILL AND DISPOSAL PROCEDURES Steps to be taken in the event of a spill or discharge Wear self-contained breathing apparatus and full protective clothing. Shut off ignition sources; no flares, smoking, or flames in area. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water. Disposal Procedure Dispose in accordance with all applicable federal, state, and local environmental regulations. SECTION VIII - PROTECTIVE EQUIPMENT Use adequate general or local exhaust ventilation Ventilation: to keep fume or dust levels as low as possible. None required where adequate ventilation Respiratory Protection: conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask. Safety glasses with sideshields, uniform, neoprene Eye/Skin Protection: gloves are recommended. SECTION IX - STORAGE AND HANDLING PRECAUTIONS SAF-T-DATA TM Storage Color Code: Special Precautions Keep container tightly closed. Store in cool, dry, well-ventilated area away from heat, sparks, or flame. Product must be refrigerated at 2 - 8°C (36 - 46°F). SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION DOMESTIC (D.O.T.) Corrosive solid, n.o.s. (Sodium Sulfide, 9-Hydrate) Proper Shipping Name Corrosive material (solid) Hazard Class



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Page: 4

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (Continued)

UNZNA

**UN1259** 

Labels

CORROSIUE

INTERNATIONAL (I.M.O.)

Proper Shipping Name

Sodium sulfide, hydrated (30% water min)

Hazard Class

UNZNA

**UN1849** 

Labels

CORROSIUE

N/A = Not Applicable or Not Available

The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.