SODIUM HYDROSULFIDE SOLUTION

Common Sumonumo		Liquid	Light vollow to rod	Potton and ad		
Common Synonyms Sodium bisulfide Sodium hydrogen sulfide Sodium sulfhydrate		Liquid	Light yellow to red	Rotten egg odor		
		Mixes with water.				
Keep peopl Avoid conta Notify local Protect wat	e away. Ict with liquid a health and po er intakes.	ind vapor. lution control agenci	es.			
Fire	Not flammab	le.				
Exposure	Call for medical aid. LIQUID Irritating to skin and eyes. If swallowed will cause nausea, vomiting, or loss of consciousness. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or mik and have victim induce vomitig. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CON-					
Water Pollution	Dangerous to aquatic life in high concentrations. May be dangerous if it enters water intakes. Notify local health and wildle officials. Notify porators of nearby water intakes.					
Dilute and Stop discha	lisperse Irge	Actions	 2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: 5; Caustic 2.2 Formula: NaSH-HcO 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: 2922 2.5 CAS Registry No.: 16721-80-5 2.6 NAERG Guide No.: 154 2.7 Standard Industrial Trade Classificatio 52342 			
3.1 Personal Prote goggles, glo 3.2 Symptoms Foll systemic po headache, o respiratory and corread	ctive Equipm wes; canister- owing Expos bisoning; hydro dizziness, naus failure, and de iniury, causion	3. HEALTH H ent: Rubber protect type respirator or se ure: Inhalation of mi gen sulfide gas, whi sea, vomiting; contir ath. Liquid causes r aburding of usion a	IAZARDS ve equipment, such as apron If-contained breathing appara st causes irritation of respiral to may be given off when aci ued exposure can lead to los narked eye irritation; itching, ju	, boots, splash- proof itus. tory tract and possible d is present, causes s of conscious- ness, achrymation, swelling, worgeure to light may		

4. FIRE HAZARDS	7. SHIPPING INFORMATION
4.1 Flash Point:	7.1 Grades of Purity: 45% or less
4.2 Flammable Limits in Air: Not flammable	7.2 Storage Temperature: >63°F
4.3 Fire Extinguishing Agents: Not pertinent	7.4 Venting: Pressure-vacuum
4.4 Fire Extinguishing Agents Not to Be	7.5 IMO Pollution Category: B
4.5 Special Hazards of Combustion	7.6 Ship Type: 3
Products: Not pertinent	7.7 Barge Hull Type: Currently not available
4.6 Behavior in Fire: Not pertinent	
4.7 Auto Ignition Temperature: Not pertinent	8. HAZARD CLASSIFICATIONS
4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not pertinent	8.1 49 CFR Category: Corrosive material
4.10 Adiabatic Flame Temperature: Currently	8.2 49 CFR Class: 8
not available	8.3 49 CFR Package Group: II
4.11 Stoichometric Air to Fuel Ratio: Not	8.5 NEPA Hazard Classification: Not listed
4.12 Flame Temperature: Currently not	8.6 EPA Reportable Quantity: Not listed.
available	8.7 EPA Pollution Category: Not listed.
4.13 Combustion Molar Ratio (Reactant to Broduct): Not participant	8.8 RCRA Waste Number: Not listed
4.14 Minimum Oxygen Concentration for	8.9 EPA FWPCA List: Yes
Combustion (MOCC): Not listed	9 PHYSICAL & CHEMICAL PROPERTIES
5. CHEMICAL REACTIVITY	9.1 Physical State at 15° C and 1 atm: Liquid
	9.2 Molecular Weight: Not pertinent
5.1 Reactivity with Common Materials:	9.3 Boiling Point at 1 atm: (approx.) 212°F =
Corrodes most metals, but reaction is not hazardous.	100°C = 373°K 9.4 Freezing Point: (approx.) 63°F = 17°C =
5.3 Stability During Transport: Stable	290°K
5.4 Neutralizing Agents for Acids and Caustics: Flood with water	9.5 Critical Temperature: Not pertinent
5.5 Polymerization: Not pertinent	9.7 Specific Gravity: 1.3 at 15°C (liquid)
5.6 Inhibitor of Polymerization: Not pertinent	9.8 Liquid Surface Tension: Currently not
6. WATER POLLUTION	available 9.9 Liquid Water Interfacial Tension: Not
6.1 Aquatic Toxicity:	pertinent
206 mg/1/96 hr/mosquito fish/TL _m /fresh water	9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas):
6.2 Waterfowl Toxicity: Currently not	Not pertinent
6.3 Biological Oxygen Demand (BOD):	9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: Not pertinent
Currently not available	9.14 Heat of Decomposition: Not pertinent
6.4 Food Chain Concentration Potential:	9.15 Heat of Solution: Not pertinent
6.5 GESAMP Hazard Profile:	9.16 Heat of Polymerization: Not pertinent
Bioaccumulation: 0	9.17 Heat of Fusion: Currently not available
Human Oral hazard: 2	9.18 Limiting Value: Currently not available
Human Contact hazard: II	9.19 Reid Vapor Pressure: 0.95 psia
Reduction of amenities: AA	
NOTES	5

SODIUM HYDROSULFIDE SOLUTION

9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
63 64 65 66 67 78 70 71 72 73 74 75 77 77 78 79 80 81 82 83 84 85 86	81.320 81.250 81.250 81.219 81.150 81.179 81.150 81.080 81.040 81.040 80.940 80.940 80.940 80.940 80.940 80.870 80.879 80.770 80.730 80.700 80.660 80.629 80.559 80.559 80.520		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVA-LABLE		CURRENTLY NOT AVAILABLE

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	CURRENTLY NOT AVA-LABLE		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE		CJRRENTLY NOT AVA-LABLE