SODIUM SULFIDE

Common Synonyms		Solid flakes	Yellow to red	Rotten eggs odor		
		Sinks and mixes with water				
Keep peop Wear rubbe Call fire de Notify local Protect wa	le away. Avoi er overclothing partment. health and po ter intakes.	d contact with solid (including gloves) a llution control agend	and dust. and dust respirator. sies.			
Fire	Combustible. POISONOUS GAS MAY BE PRODUCED IN FIRE. Flammable, poisonous gas is formed on contact with acids. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS. Fytinguish with water					
Exposure	CALL FOR MEDICAL AID. DUST Irritating to eyes, nose and throat. Move to fresh air. IF IN EVES, hold eyelids open and flush with plenty of water. SOLID Harmful if swallowed. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk.					
Water Pollution	HARMFUL 1 May be dan Notify local Notify opera	O AQUATIC LIFE I gerous if it enters w health and wildlife o tors of nearby wate	N VERY LOW CONCENTRAT rater intakes. fficials. er intakes.	TIONS.		
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge Collection Systems: Dredge Do not burn			2. CHEMICAL D 2.1 CG Compatibility (2.2 Formula: Na:S 2.3 IMO/UN Designati 2.4 DOT ID No: 1385 2.5 CAS Registry No.: 2.6 NAERG Guide No. 2.7 Standard Industris 252341	ESIGNATIONS Group: Not listed. on: 4.2/1385 (anhydrous) 1313-82-2 : 135 al Trade Classification:		
5 TLV-STEL: Not 6 TLV-Ceiling: Na 7 Toxicity by Ing 8 Toxicity by Ing 9 Chronic Toxici 10 Vapor (Gas) Ir 11 Liquid or Solic 12 Odor Thresho 13 IDLH Value: Na 14 OSHA PEL-TV 15 OSHA PEL-ST 16 OSHA PEL-Ce 17 EPA AEGL: Na	listed. ot listed. setion: Grade alation: Curre ty: None triant Charact d Characterist Id: Currently no t listed. A: Not listed. EL: Not listed bisted	3; LD∞ = 50-500 r ntly not available. teristics: Non-volat tics: Irritates skin a ot available d.	ng/kg (human) ile. nd mucous membranes.			

4 FIRE HAZARDS	7 SHIPPING INFORMATION
ash Point:	 7.1 Grades of Purity: Crystals, 60-62%, plus water fused chips
ammable Limits in Air: Not pertinent	7.2 Storage Temperature: Ambient
re Extinguishing Agents: Water	7.3 Inert Atmosphere: No requirement
re Extinguishing Agents Not to Be Jsed: Not pertinent	7.4 Venting: Open
pecial Hazards of Combustion	7.5 IMO Pollution Category: B
Products: Irritating sulfur dioxide is produced in fire.	7.6 Ship Type: 3 7.7 Barge Hull Type: Currently not available
havior in Fire: Not pertinent to lanition Temperature: Not pertinent	
ectrical Hazards: Not pertinent	8 1 49 CER Category: Spontaneously
urning Rate: Not pertinent	Combustible
diabatic Flame Temperature: Currently not available	8.2 49 CFR Class: 4.2
toichometric Air to Fuel Ratio: 5.9	8.3 49 CFR Package Group: II
calc.)	8.4 Marine Pollutant: No 8.5 NEPA Hazard Classification:
lame Temperature: Currently not available	Category Classification
ombustion Molar Ratio (Reactant to	Health Hazard (Blue)
Product): 2.0 (calc.)	Flammability (Red) 1
Combustion (MOCC): Not listed	Instability (Yellow)0
· · · · · · · · · · · · · · · · · · ·	8.6 EPA Reportable Quantity: Not listed.
5. CHEMICAL REACTIVITY	8.7 EPA Pollution Category: Not listed.
eactivity with Water: No reaction	8.9 FPA FWPCA List: Not listed
eactivity with Common Materials: No	
eaction ability During Transport: Stable	9. PHYSICAL & CHEMICAL PROPERTIES
Caustics: Not pertinent	0.1 Physical State at 15° C and 1 atm. Solid
olymerization: Not pertinent	9.2 Molecular Weight: 78.4
hibitor of Polymerization: Not pertinent	9.3 Boiling Point at 1 atm: Very high
	9.4 Freezing Point: Not pertinent
	9.5 Critical Temperature: Not pertinent
ppm/48 hr/bluegill, sunfish/TLm/fresh	9.6 Critical Pressure: Not pertinent
water	9.7 Specific Gravity: 1.856 at 20°C (solid)
aterfowl Toxicity: Currently not available	9.8 Liquid Surface Tension: Not pertinent
ological Oxygen Demand (BOD):	pertinent
Currently not available	9.10 Vapor (Gas) Specific Gravity: Not pertinent
None	9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
ESAMP Hazard Profile:	9.12 Latent Heat of Vaporization: Not pertinent
ioaccumulation: 0 amage to living resources: 2	9.13 Heat of Combustion: Not pertinent
uman Oral hazard: 1	9.14 Heat of Decomposition: Not pertinent
eduction of amenities: 0	9.15 Heat of Solution: Not pertinent
	9.16 Heat of Polymerization: Not pertinent
	9.18 Limiting Value: Currently not available
	9.19 Reid Vapor Pressure: Currently not
	available
NOTES	i
NOTES	9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available

SODIUM SULFIDE

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
	N O T		N O T		N O T		N O T
	T PERTINENT		T PERTINENT		T PERTINENT		T PERTINENT

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
(degrees F) 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84	9.996 10.400 10.800 11.200 11.600 12.400 12.400 13.200 13.200 13.200 13.200 14.000 14.000 14.400 15.200 15.600 16.000 16.800 17.600 18.400 18.400 18.400 19.200 19.600 20.000	(degrees F)	N O T P E R T I N E N T	(degrees F)	N O T P E R T I N E Z T	(degrees F)	P E R T I N E N T T