ZINC PHOSPHIDE

C		UNSE INFURMATION			
Common Synonyms Solid		Grey to black Faint odor	4.2		
	Sinks in water.		4.3		
Evacuate. Keep people Notify local I Protect wate	e away. Avoid contact with solid health and pollution control agend er intakes.	and dust. cies.	4.4		
Fire	Not flammable. Irritating gases may be produce	ed when heated.	4.5		
Exposure	CALL FOR MEDICAL AID. DUST Irritating to eyes, nose and throat. If inhaled will cause dizziness, difficult breathing, or loss of consciousness. If in eyes, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing has stopped, give artificial respiration. If breathing has stopped, give artificial respiration. SOLID POISONOUS IF SWALLOWED. Irritating to skin and eyes. If swallowed will cause dizziness, 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.				
Water	IF SWALLOWED and vicitim is CONSCIOUS, have victim drink water or milk and have vicitim induce vomiting. IF SWALLOWED and vicitim is UNCONSCIOUS, OR HAVING CONVULSIONS, do nothing except keep vicitim warm. Effect of low concentrations on aquatic life is unknown.				
Pollution	Notify local health and wildlife o Notify operators of nearby wate	fficials. ar intakes.	5.2		
Collection S	ystems: Dredge	2.1 For Comparisoning Group: Not Insted. 2.2 Formula: ZnaP2 2.3 IMO/UN Designation: 6.1/1714 2.4 DOT ID No.: 1714 2.5 CAS Registry No.: 1314-84-7 2.6 NAERG Guide No.: 139 2.7 Standard Industrial Trade Classification: 52492	5.4 5.5 5.6 6.1		
 Personal Protec shield; prote Symptoms Follc causes faint rate, diarthe irritation. Treatment of ED glass of war immediate; glass of war immediate; glass of war immediate; slass of war immediate; slass of war yslik: flush TLV-TWA: Not li 5 TLV-STEL: Not I TLV-Ceiling: Not 7 Toxicity by Inpa Okronic Toxicity 10 Vapor (Gas) Irri 11 Liquid or Solid Ochronic Toxicity 11 Liquid or Solid DLH Value: Not 14 OSHA PEL-TW. SOSHA PEL-STE OSHA PEL-Ceili TEPA AEGL: Not 	tive Equipment: Dust mask or : ctive Equipment: Dust mask or : totive gloves owing Exposure: When inhaled intense, weakness, nausea, vomiti ness, weakness, nausea, vomiti mess, weakness, nausea, vomiti mwater; repeat until vomit fluid i "mwater; repeat until vomit fluid i "sted." t listed. stion: Grade 4; oral LDso = 40 or hattoin: Currently not available tiant Characteristics: Currently Characteristics: Currently not available t listed. A: Not listed. EL: Not listed. L: Not listed. t listed t listed	Incention self-contained breathing apparatus; goggles or face or ingested, compound releases phosphine, which ing, dysprea, fall in blood pressure, change in pulse ralysis, and coma. Contact with eyes or skin causes if resh air; give artificial respiration if required; get VGESTION: give one tablespoonful of mustard in a s clear; avoid use of all oils; call physician warm. EYES: flush with water for at least 15 min. water. mg/kg (rat) not available viailable	6.2 6.3 6.4		

HAZARDS	7. SHIPPING INFORMATION				
	7.1 Grades of Purity: Technical, 94+%				
· · · · · · · · · · · · · · · · · · ·	7.2 Storage Temperature: Ambient				
s in Air: Not flammable	7.3 Inert Atmosphere: No requirement				
mical on adjacent fires.	7.4 Venting: Pressure-vacuum				
g Agents Not to Be	7.5 IMO Pollution Category: Currently not available				
with an acid reaction	7.6 Ship Type: Currently not available				
xide or halogenated	7.7 Barge Hull Type: Currently not available				
sly flammable gas.					
of Combustion	8. HAZARD CLASSIFICATIONS				
ing oxides of	8.1 49 CFR Category: Dangerous When Wet				
De formed in fires.	8.2 49 CFR Class: 4.3				
currently not available	8.3 49 CFR Package Group:				
s. Not pertinent	8.4 Marine Pollutant: No				
t pertinent	8.5 NFPA Hazard Classification:				
Temperature: Currently	Category Classification Health Hazard (Blue) 3				
ir to Fuel Ratio: Not	Flammability (Red) 3				
une Currently and	Instability (Yellow) 1				
ure: Currently not	8.6 EPA Reportable Quantity: 100 pounds 100 pounds				
ar Ratio (Reactant to	8.7 EPA Pollution Category: B				
n Concentration for	8.8 RCRA Waste Number: P122				
OCC): Not listed	8.9 EPA FWPCA List: Yes				
L REACTIVITY	9. PHYSICAL & CHEMICAL PROPERTIES				
ater: Reacts slowly with					
as, which is toxic and	9.1 Physical State at 15° C and 1 atm: Solid				
ammable.	9.2 Molecular Weight: 258.10				
ommon Materials: ailable	9.3 Boiling Point at 1 atm: 2,012°F = 1,110°C = 1,373°K				
ransport: Stable unless ture; toxic phosphine	9.4 Freezing Point: (sublimes) 788°F = 420°C = 693°K				
released and collect in	9.5 Critical Temperature: Not pertinent				
nte for Acide and	9.6 Critical Pressure: Not pertinent				
ertinent	9.7 Specific Gravity: 4.55 at 13°C (solid)				
Not pertinent	9.8 Liquid Surface Tension: Not pertinent				
nerization: Not pertinent	9.9 Liquid Water Interfacial Tension: Not pertinent				
POLLUTION	9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas):				
ilable	9 12 Latent Heat of Vaporization: Not pertinent				
ty: 1,285 ppm LC50	9.13 Heat of Combustion: -4.100 Btu/lb =				
n Demand (BOD):	$-2,270 \text{ cal/g} = -95 \text{ X} 10^5 \text{ J/kg}$				
ailable	9.14 Heat of Decomposition: Not pertinent				
ted by some organisms	9.15 Heat of Solution: Not pertinent				
ered to be bioconcentra-	9.16 Heat of Polymerization: Not pertinent				
	9.17 Heat of Fusion: Currently not available				
Profile:	9.18 Limiting Value: Currently not available				
resources: 3	9.19 Reid Vapor Pressure: Currently not				
ard: 3	avallable				
nazard: II enities: XX					
	<u> </u>				
NOTE	5				

ZINC PHOSPHIDE

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
	- PERTINENT		r Per R T I N E N T		- PERT-NENT		- PERT-NENT

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
	I N S O L U B		N O T E R		N O T E R		NOT PER
	E		T N E N T		T N E N T		T N E N T