ZINC CYANIDE

Common Sync yanide of zinc inc dicyanide		Solid-powder Greyish white to white Odorless				
Кеер реор	Sinks in wate ole away. AVOID CONTACT V	VITH SOLID.	4			
Notify loca	gles, self-contained breathing a I health and pollution control a Iter intakes.	apparatus, and rubber overclothing (including gloves). gencies.				
Fire	Not flammable.					
Exposure	Move to fresh air. If breathing has stopped, gi If breathing is difficult, give SOLID POISONOUS IF SWALLOV Irritating to eyes. Remove contaminated cott Flush affected areas with p	DNOUS IF INHALED OR IF SKIN IS EXPOSED. to fresh air. thing has stopped, give artificial respiration. thing is difficult, give oxygen.) DNOUS IF SWALLOWED OR IF SKIN IS EXPOSED.				
	IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS,					
Water Pollution	do nothing except keep vict HARMFUL TO AQUATIC LI May be dangerous if it ente Notify local health and wild Notify operators of nearby	FE IN VERY LOW CONCENTRATIONS. rs water intakes. ife officials.				
Stop disch	: RESPONSE ACTIONS arge Systems: Dredge	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: Zn(CN) ₂ 2.3 IMO/UN Designation: 6.1/1713 2.4 DOT ID No.: 1713 2.5 CAS Registry No.: 557-21-1 2.6 NAERG Guide No.: 151 2.7 Standard Industrial Trade Classification: 52381				
chemical s hat or brim INHALATIC or numbre: confusion, dyspnea. respiratory 3 Treatment of f contaminal seconds. at 5-minute any initiat seconds. at 5-minute any initiat seconds. 4 TUV-TWA: Not 5 TUV-STEL: No 6 TUV-Ceiling: 5 7 Toxicity by Ing 8 Toxicity by Ing 8 Toxicity by Ing 9 Chronic Toxici inflammatic 10 Vapor (Gas) In 9 Chronic Toxic inflammatic 11 Liquid or Soli 4 20 Chron Threshe	afety goggles, dry cotton glow- med felt hat, rubber or leather Ilowing Exposure: EYES: Cr N: A bitter, acrid burning tast so in the throat. Salivation an vertigo, giddiness and often a Rapid respiration, then slow a arrest. Exposure: Call a physician. I ted clothing. Keep patient quic Repeat about five times at 15 intervals. If breathing stops : e. EYES: Flush with plenty of and water. INGESTION: Indu this treatment as described for listed. mg/m ² as cyanide. pestion: Grade 4; LD ₂₀ below talation: Currently not availab ity: Chronic exposure may can of the skin with small pimple rritant Characteristics: Not p d Characteristics: Causes s may cause second-degree bu bld: Odorless 5 mg/m ² as cyanide YA: 5 mg/m ² as cyanide TEL : Not listed.	50 mg/kg. le. use headache, lack of appetite, weakness and ss or blistery spots. ertinent marting of the skin and first-degree burns on short	6			

4. FIRE HAZARDS 7. SHIPPING INFORMATION h Point: flammable 7.1 Grades of Purity: 55% Zn 40% Cn 7.2 Storage Temperature: Ambient mable Limits in Air: Not flammable 7.3 Inert Atmosphere: Currently not available Extinguishing Agents: Not pertinent 7.4 Venting: Currently not available Extinguishing Agents Not to Be sed: Not pertinent 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available cial Hazards of Combustion ducts: Not pertinent 7.7 Barge Hull Type: Currently not available avior in Fire: Not pertinent Ignition Temperature: Not 8. HAZARD CLASSIFICATIONS nmable trical Hazards: Currently not nilable 8.1 49 CFR Category: Poison 8.2 49 CFR Class: 6.1 8.3 49 CFR Package Group: | ing Rate: Not flammable 8.4 Marine Pollutant: Yes abatic Flame Temperature: Currently available 8.5 NFPA Hazard Classification: ichometric Air to Fuel Ratio: Not tinent ne Temperature: Currently not ailable Flammability (Red)..... 0 Instability (Yellow)..... 1 nbustion Molar Ratio (Reactant to duct): Not pertinent. 8.6 EPA Reportable Quantity: 10 pounds imum Oxygen Concentration for mbustion (MOCC): Not listed 8.7 EPA Pollution Category: A 8.8 RCRA Waste Number: P121 8.9 EPA FWPCA List: Yes CHEMICAL REACTIVITY tivity with Water: No reaction 9. PHYSICAL & CHEMICAL ctivity with Common Materials: intact with acids or acid salts will erate highly toxic and flammable drogen cyanide gas. PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 117.42 ility During Transport: Stable 9.3 Boiling Point at 1 atm: Not pertinent tralizing Agents for Acids and ustics: Hypochlorite solution to 9.4 Freezing Point: Decomposes at 800°C 9.5 Critical Temperature: Currently not available stroy the cyanide. merization: Will not occur. 9.6 Critical Pressure: Currently not available pitor of Polymerization: Not pertinent 9.7 Specific Gravity: 1.85 at room temperature 9.8 Liquid Surface Tension: Not pertinent 6. WATER POLLUTION 9.9 Liquid Water Interfacial Tension: Not pertinent atic Toxicity: tic to fish in range 0.05 to 10 ppm (as Cn). Toxicity increases with acidity, 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas): temperature, low oxygen tensions and Zn content. Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent rfowl Toxicity: Currently not 9.13 Heat of Combustion: Not pertinent ilable 9.14 Heat of Decomposition: Currently not ogical Oxygen Demand (BOD): 62.4 available /I Zn will cause a 50% drop in five day 9.15 Heat of Solution: Not pertinent 9.16 Heat of Polymerization: Not pertinent d Chain Concentration Potential: Zn accumulate slightly. 9.17 Heat of Fusion: Currently not available AMP Hazard Profile: 9.18 Limiting Value: Currently not available accumulation: 0 9.19 Reid Vapor Pressure: Currently not available mage to living resources: 4 man Oral hazard: 3 man Contact hazard: 1 duction of amenities: 0 NOTES

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9. SATURATED L	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	
	P E R T I N E N T		P E R T I N E N T		P E R T I N E N T		P E R T I N E N T	

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)	of water	(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 N T	(degrees F)	pound-F