ZIRCONIUM ACETATE

	CAUTION	IARY RESPO	NSE INFORM	ATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Liquid Zirconium acetate solution Sinks ar		Liquid Sinks and mixes wit	odor		4.2 4.3	Flash Point: Not flammable Flammable Limits in Air: Not flammable Fire Extinguishing Agents: Not pertinent Fire Extinguishing Agents Not to Be	7.1 Grades of Purity: 25% solution in water 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open		
Keep people away. Avoid contact with liquid. Notify local health and pollution control agencies. Protect water intakes.					Used: Not pertinent Special Hazards of Combustion Products: Not pertinent Behavior in Fire: Currently not available	 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed 8.2 49 CFR Class: Not pertinent 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: Not listed. 8.7 EPA Pollution Category: Not listed. 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Not listed 9. PHYSICAL & CHEMICAL PROPERTIES 			
Fire	Fire Not flammable.			4.7 4.8	Auto Ignition Temperature: Not pertinent Electrical Hazards: Not pertinent Burning Rate: Not pertinent				
Exposure	LIQUID Irritating to skin and eyes. Harmful if swallowed. 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 milk. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.				4.11 4.1 ¹ 4.11 4.11				Adiabatic Flame Temperature: Currently not available I Stoichometric Air to Fuel Ratio: Not pertinent. Plame Temperature: Currently not available Scombustion Molar Ratio (Reactant to Product): Not pertinent. Minimum Oxygen Concentration for Combustion (MOCC): Not listed
Water Pollution Effect of low concentrations on a why be dangerous if it enters wat Notify local health and wildlife offin Notify operators of nearby water 1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge			ter intakes. cirals. intakes. 2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: Tr(C:Ho)o-H:O 2.3 IMO/UN Designation: Not listed 2.4 DOT 1D No: Not listed 2.5 CAS Registry No.: Currently not available 2.6 NAERG Guide No.: Not listed. 2.7 Standard Industrial Trade Classification:			5. CHEMICAL REACTIVITY Reactivity with Water: No reaction Reactivity with Common Materials: Currently not available Stability During Transport: Stable Neutralizing Agents for Acids and Caustics: Not pertinent Polymerization: Not pertinent Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION Aquatic Toxicity: Currently not available Waterfowl Toxicity: Currently not	 9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: 327 (solute only) 9.3 Boiling Point at 1 atm: Not pertinent 9.4 Freezing Point: Not pertinent 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 1.37 at 20°C ((iquid) 9.8 Liquid Surface Tension: Currently not available 9.9 Liquid Water Interfacial Tension: Not pertinent 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Katio of Specific Heats of Vapor (Gas) 		
				Contact with eyes or skin E: Flush with water for at	6.3 6.4	available Biological Oxygen Demand (BOD): Currently not available Food Chain Concentration Potential: Currently not available GESAMP Hazard Profile: Not listed NOT	9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: Not pertinent 9.15 Heat of Polymerization: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available TES		

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SATURATED	9.20 LIQUID DENSITY	9.21 LIQUID HEAT CAPACITY		9. LIQUID THERMA	22 L 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
68	85.520		N O T R R T I N E N T		N O T P E R T I N E N T		N O T P E R T I N E N T

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9. SATURATED V	26 APOR 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
	or water M I S C I E E		N O T E R T I N E N T		N O T E R T I N E N T		pound-F