POLYPHOSPHORIC ACID

CAUTIONARY RESPONSE INFORMATION					4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Condensed phosphoric acid Sinks and mixes Keep people away. AVOID CONTACT WIT Wear chemical protective suit with self-cor Notify local health and poliution control age		Sinks and mixes wi D CONTACT WITH L suit with self-contair	TH LIQUID. ntained breathing apparatus.		 Flash Point: Not flarmable Flammable Limits in Air: Not flammable Fire Extinguishing Agents: Not pertinent Fire Extinguishing Agents Not to Be Used: Not pertinent Special Hazards of Combustion Products: Not pertinent 	 7.1 Grades of Purity: 115% phosphoric acid 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open or pressure-vacuum 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barg Hull Type: Currently not available 		
Protect water intakes.					4.6 Behavior in Fire: Not pertinent			
Fire	Flammable gas may be produced on contact with metal. Wear chemical protective suit with self-contained breathing apparatus.				 4.7 Auto Ignition Temperature: Not flammable 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not flammable 	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.		
Exposure	CALL FOR MEDICAL AID. LIQUID Will burn skin and eyes. Harmful if swallowed. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EVES, hold eyelds open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk. DO NOT INDUCE VOMITING.				 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: Not pertinent. 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent. 4.14 Minimum Oxygen Concentration for Combustion (MOCC): 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		
Water Pollution	May be dangerous if it enters water intakes.				5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: Reacts with water to generate heat and form phosphoric	9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: Not pertinent 9.3 Boiling Point at 1 atm: 1022°F = 550°C = 823°K		
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge Chemical and Physical Treatment: Neutralize					acid. The reaction is not violent. 5.2 Reactivity with Common Materials: Reacts with metals to liberate flammable hydrogen gas. 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Flush with water, neutralize acid with lime or soda ash. 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity:	 9.4 Freezing Point: 100°F = 38°C = 311°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 2.05 at 38°C (liquid) 9.8 Liquid Surface Tension: Not pertinent 9.9 Liquid Water Interfacial Tension: Not pertinent 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: Not pertinent 		
				138 ppm/24 htr/mosquito fish/TL.//tresh water 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): None 6.4 Food Chain Concentration Potential: None 6.5 GESAMP Hazard Profile: Not listed NOTI	9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Solution: 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 SS			

POLYPHOSPHORIC ACID

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
100 110 120 130 140 150 160 170 180 190 200 210	127.099 126.799 126.500 126.200 125.509 125.500 124.900 124.599 124.299 124.000 123.700	110 120 130 140 150 160 170 180 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360	0.299 0.303 0.307 0.311 0.315 0.323 0.326 0.330 0.334 0.334 0.342 0.346 0.342 0.346 0.350 0.354 0.355 0.365 0.365 0.365 0.365 0.369 0.373 0.377 0.377 0.377 0.377 0.381 0.385 0.385 0.389 0.393 0.396		N O T P E R T T T		N OT 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
	M - S C - B L E	150 200 250 350 400 450 550 600 650 750 800 850 900	0.000 0.000 0.000 0.000 0.001 0.002 0.008 0.023 0.060 0.143 0.317 0.658 1.288 2.396 4.258		N O T E R T I N E N T		N O T P E R T I N E N T