TRIS(AZIRIDINYL)PHOSPHINE OXIDE

	CAUTIONARY RESPO	ONSE INFORMATION	4. FIRE HA	ZARDS	7. SHIPPING INFORMATION		
Common Sync APO Tris(1-Aziridinyl) pho: oxide Phosphoric acid triethyleneimide Triethylenephosphor. Keep peop Avoid cont Notify loca	onyms Solid sphine Mixes with water. amide Sole away. act with solid and dust. I health and pollution control agencie	White PS.	 4.1 Flash Point: Not flammable 4.2 Flammable Limits in 4.3 Fire Extinguishing A 4.4 Fire Extinguishing A Used: Not pertinent 4.5 Special Hazards of C Products: Phospho form in fire. Toxic ox form. 4.6 Behavior in Fire: Cur 	Air: Not flammable gents: Not pertinent gents Not to Be Combustion ric acid mist may iddes of nitrogen may rrently not available	7.1 Grades of Purity: 85% solution in acetone- methylene chloride 7.2 Storage Temperature: Below 100°F 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 8. HAZARD CLASSIFICATIONS		
Fire Exposure	ter intakes. Not flammable. POISONOUS GASES MAY BE PRODUCED WHEN HEATED. Call for medical aid. SOLID Irritating to skin and eyes. Harmful if swallowed. Remove contaminated clothing and shoes. Flush affected areas with plenty of water.		 4.7 Auto Ignition Tempe 4.8 Electrical Hazards: C available 4.9 Burning Rate: Not pe 4.10 Adiabatic Flame Temostavilable 4.11 Stoichometric Air to pertinent. 4.12 Flame Temperature available 4.13 Combustion Molar I 	rature: Not pertinent currently not mperature: Currently > Fuel Ratio: Not :: Currently not Ratio (Reactant to	 8.1 49 CFR Category: Poison 8.2 49 CFR Class: 6.1 8.3 49 CFR Package Group: II 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 		
Water Pollution	IF IN EYES, hold eyelids open ar IF SWALLOWED and victim is C or milk. Effect of low concentrations on a May be dangerous if it enters wa Notify local health and wildlife offi Notify operators of nearby water	d flush with plenty of water. ONSCIOUS, have victim drink water quatic life is unknown. ter intakes. icials. intakes.	Product): Not periit 4.14 Minimum Oxygen C Combustion (MOCI 5. CHEMICAL R 5.1 Reactivity with Wate unless in presence c caustics	ent. oncentration for C): Not listed EACTIVITY r: No reaction, of acids or stong	 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 173.16 9.3 Boiling Point at 1 atm: Not pertinent (decomposes) 9.4 Freezing Point: 106°F = 41°C = 314°K 9.5 Critical Temperature: Not pertinent 		
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge		2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: (CH4CH4N)sPO or CaHrANPO 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: 2501 2.5 CAS Registry No.: 545-55-1 2.6 NAERG Guide No.: 152 2.7 Standard Industrial Trade Classification: 51479	 5.2 Reactivity with Comm decomposition, not on hazardous 5.3 Stability During Transition 5.4 Neutralizing Agents Caustics: Not pertire 5.5 Polymerization: Viole occurs at about 255 cause polymerization temperatures. 5.5 Leibither of Bahamari 	non Materials: Slow sonsidered isport: Stable if cool for Acids and hent ant polymerization "F. Acid fumes also n at ordinary instiany None used	 9.6 Critical Pressure: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: (est.) >1 at 20°C (solid) 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 		
 Personal Protu Symptoms Fol similar to ti and (on pr May sensii appearing salivation, Treatment of For dilute hydre TLV-TWA: Not TLV-TWA: Not TLV-STEL: No TLV-STEL: No TLV-ceiling: No Toxicity by Ing Toxicity by Ing Storty by Ing 	ective Equipment: Protective cloth Illowing Exposure: Inhalation (unlikk hose observed after ingestion. Con olonged contact) irritation and burns tize on repeated contact. Ingestion of 2-3 days before death, followed by 1 prostration and cyanosis. Exposure: INHALATION: remove vi 15 min.; get medical attention. SKI ogen peroxide. INGESTION: only sy listed. 16 listed. Jot listed. Jostion: Grade 4; oral rat LDso = 37 alation: Currently not available.	ing and gloves to prevent contact with skin; goggles. ely unless a heavy mist is formed) causes symptoms tact with liquid or powder causes irritation of eyes of skin. Burns are slow to develop and slow to heal. causes depression, anorexia, and diarrhea, terminal dyspnea, incoordination, epistaxis, ictim to fresh air. EYES: flush with water at once Nr. flush with water at once, followed by vinegar and ymptomatic and supportive measures are available.	6. WATER PO 6.1 Aquatic Toxicity: Currently not availabl 6.2 Waterfowl Toxicity: & 6.3 Biological Oxygen D Currently not availat 6.4 Food Chain Concent None 6.5 GESAMP Hazard Pro Bioaccumulation: 0 Damage to living re Human Oral hazardi Human Orat hazardi Human Contact haz	LLUTION e 3.5-13 mg/kg LDso wemand (BOD): ke tration Potential: sources: - : 3 sard: Il tities: XX	 9.14 Neat of Decomposition: Not pertinent 9.15 Heat of Solution: Not pertinent 9.16 Heat of Polymerization: Currently not available 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 		
3.9 Chronic Toxic 3.10 Vapor (Gas) In 3.11 Liquid or Soli 3.12 Odor Thresho 3.13 DLH Value: N 3.14 OSHA PEL-TV 3.15 OSHA PEL-TC 3.16 OSHA PEL-C 3.17 EPA AEGL: N	ity: None observed rritant Characteristics: Currently not av- Id Characteristics: Currently not av- Id: Currently not available lot listed. WA: Not listed. WA: Not listed. isling: Not listed. lot listed	ot available allable		NOTE	S		

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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
	I PERTINENT		I P R T I N E N T		I PERTINENT		I 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
	or water V E R Y S O L U B L E		N O T E R T I N E N T		N O T E R T I N E N T		Pouna-F N O T E R T I N E N T