AMMONIUM PERSULFATE

CAUTIONARY RESPONSE INFORMATION					ſ	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synor Ammonium peroxydisu Peroxydisulfuric acid, diammonium salt	Common Synonyms Solid Light straw to colorless Mild unpleasant odor immonium peroxydisulfutic acid, immonium salt Sinks and mixes with water. Sinks and mixes with water.			easant		4.1 Flash Point: Not flammable 4.2 Flammable Limits in Air: Not pertinent 4.3 Fire Extinguishing Agents: Water 4.4 Fire Extinguishing Agents Not to Be Used: Currently not available	7.1 Grades of Purity: Reagent; pure 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 IMO Pollution Category: Currently not available 7.5 Shin Temp Currently not available		
Stop discharge if possible. Keep people away. Call fire department. Avoid contact with solid and dust. Isolate and remove discharged material.						 Special Hazards of Combustion Products: Toxic oxides of nitrogen and sulfuric acid fumes may form in fire. Behavior in Fire: Decomposes with loss 	7.5 Snip Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS		
Fire Not flammable. Will increase the intensity of a fire. POISONOUS GASES MAY BE PRODUCED IN FIRE. Wear goggles and self-contained breathing appartus. Flood discharge area with water.						of oxygen that increases intensity of fire 4.7 Auto Ignition Temperature: Not pertinent 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Not pertinent	A. 1 49 CFR Category: Oxidizer A. 49 CFR Category: Oxidizer A. 49 CFR Class: 5.1 A. 49 CFR Class: 5.1 A. 49 CFR Package Group: III A. Marine Pollutant: No S. 5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)		
Exposure	CALL FOR MEDICAL AID. DUST Irritating to eyes, nose and throat. Harmful if inhaled. If in eyes, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. SOLID Irritating to skin and eyes. Harmful if swallowed.				-	4.11 Stoichometric Air to Fuel Ratio: Not pertinent 4.12 Flame Temperature: Not pertinent 4.13 Combustion Molar Ratio (Reactant to Product): Currently not available 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction			
	Remove contamnated 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.			i,		5.2 Reactivity with Common Materials: Contact with grease, wood, and other combustibles may result in a fire. 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 5.5 Polymerization: Not pertinent	9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 228.20 9.3 Boiling Point at 1 atm: Not pertinent (decomposes at 120°C)		
Water Pollution	Dangerous to aquatic life in high concentrations. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.					5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION	9.4 Freezing Point: Not pertinent (decomposes at 120°C) 9.5 Critical Temperature: Not pertinent 0.6 Critical Resource Not pertinent		
1. CORRECTIVE RESPONSE ACTIONS 2. CHEMICAL DESIGNATIONS Dilute and disperse 2.1 CG Compatibility Group: Not listed Stop discharge 2.2 Formula: (NH-):S:O:0 2.3 IMO/UN Designation: 5.1/1444 2.4 DOT ID No: 1444 2.4 DOT ID No: 1444 2.5 CRS Registry No: 7727-54-0 2.6 NAERG Guide No: 140 2.7 Standard Industrial Trade Classification: 51481 3. HEALTH HAZARDS			S ication:	6.1 X 7(33 1(12 6.2 Wa 6.3 Bit 6.4 Fo 8 6.5 GE BI BI	 76.3 ppr/96 hr/rainbow trout/TLm 391 ppr/96 hr/rainbow trout/TLm 391 ppr/96 hr/blegill sunfis/TLm 103 ppr/96 hr/blegill sunfis/TLm 120 ppr/48 hr/dap/nia/TL_Afresh 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: Bioaccumulation: O Damage to living resources: 1 Human Oral hazard: 1 	 9.7 Specific Gravity: 1.98 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 9.13 Heat of Combustion: Not pertinent 9.14 Heat of Decomposition: Currently not available 9.15 Unct of Specific 172 Ptr/lb = 12 or/la = 13 			
 Symptoms Following Exposure: Inhelation produces slight toxic effects. Contact with dust irritates eyes and causes skin rash. Treatment of Exposure: INH4LATION: remove to fresh air. EYES: wash with water for 20 min; call a physician. SKIN: wash with water. TU-VSTE:: Not listed. TU-VSTE:: Not listed. Toxicity by Ingestion: Grade 2; oral rat LDe = 820 mg/kg Toxicity by Indestion: Currently not available Oranion Toxicity: Currently not available Ota Solid Or Solid Characteristics: Currently not available Ota Poor (Gas) Irritant Characteristics: Currently not available Ota Poor (Gas) Irritant Characteristics: Currently not available Ota Solid Orat Characteristics: Currently not available Ota Poor (Gas) Irritant Cha			ritates nin.; call	Damage to living resources: 1 Human Oral hazard: 1 Reduction of amenities: XXX 9.15 Heat of Solution: 77 Btu/lb = X15 Juniting Value: Currently not 9.19 Reid Vapor Pressure: Current available NOTES					

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9. SATURATED LI	20 QUID 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
	N O T		N O T		N O T		N O T
	- PERT-NENT		I P R T I N E N T		I PERTINENT		I PERTINENT

9. SOLUBILIT	24 Y 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
(degrees F)	59.700 60.700 61.700 62.700 63.700 63.700 65.700 66.700 66.700 66.700 68.700 70.700 71.700 72.700 73.700 73.700 73.700 74.700 75.700 75.700 75.700 75.700 75.700 78.700 78.700 83.700 81.700 83.700 83.700 84.700	(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)	N O T P E R T I N E N T