## **AMMONIUM MOLYBDATE**

	CAUTION	ARY RESP	ONSE INFORMATION		4. FIRE HAZARDS		
Common Synonyms Solid Molybdic acid (85%) Sinks and mixes v		Colorless to greenish- Odorless yellow or white ith water.		<ul> <li>4.1 Flash Point: Not flammable</li> <li>4.2 Flammable Limits in Air: Not flammable</li> <li>4.3 Fire Extinguishing Agents: Not pertin</li> <li>4.4 Fire Extinguishing Agents Not to Be</li> </ul>			
Avoid cont Isolate and Notify loca	act with solid an I remove dischai		·		Used: Not pertinent 4.5 Special Hazards of Combustion Products: Toxic oxides of nitrogen may form in fire. 4.6 Behavior in Fire: Currently not available		
Fire	Not flammable. POISONOUS GASES MAY BE PRODUCED IN FIRE. Wear goggles and self-contained breathing apparatus.				<ul> <li>4.7 Auto Ignition Temperature: Not pertinent</li> <li>4.8 Electrical Hazards: Not pertinent</li> <li>4.9 Burning Rate: Not pertinent</li> <li>4.10 Adiabatic Flame Temperature: Not</li> </ul>		
Exposure	CALL FOR MEDICAL AID. DUST Irritating to eyes, nose and throat. If inhaled will cause coughing, or difficult breathing. 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				pertinent 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		
	Irritating to skin and eyes. Harmful if swallowed. Remove contarninated 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.				<ol> <li>5. CHEMICAL REACTIVITY</li> <li>5.1 Reactivity with Water: No reaction</li> <li>5.2 Reactivity with Common Materials: Currently not available</li> <li>5.3 Stability During Transport: Stable</li> <li>5.4 Neutralizing Agents for Acids and Caustics: Not pertinent</li> </ol>		
Water Pollution	May be dange Notify local he	concentrations on erous if it enters w ealth and wildlife o ors of nearby wate	ficials.		5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION		
3.2 Symptoms Fol causes irri	lowing Exposu lation. Exposure: INHA listed. of listed. of listed. do tisted. alation: Current ty: Currently not ritant Character d Characteristic Id: Currently not of listed. VA: Not listed. LL: Not listed.	re: Inhalation cau LATION: move to 3; oral rat LD <sub>50</sub> = ( 4); oral vailable. t available ristics: Currently cs: Currently not a t available	ggles or face shield; rubber gloves es irritation of nose and throat. Contact fresh air. EYES: flush with water for at I 33 mg/kg not available	; 12054-85- ssification: with eyes	Currently not available 6.4 Food Chain Concentration Potential: Currently not available 6.5 GESAMP Hazard Profile: Not listed		

7.2 Storage Temperature: Ambient						
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						
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						
9.1 Physical State at 15° C and 1 atm: Solid						
9.2 Molecular Weight: 123.6						
9.3 Boiling Point at 1 atm: Not pertinent;						
Decomposes at 190C						
9.4 Freezing Point: Not pertinent						
9.5 Critical Temperature: Not pertinent						
9.6 Critical Pressure: Not pertinent						
9.7 Specific Gravity: 1.4 at 20°C (solid); 2.398						
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: Not pertinent						
9.15 Heat of Solution: Currently not available						
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						
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NOTES

7. SHIPPING INFORMATION 7.1 Grades of Purity: Reagent; CP. A closely related substance is known as ``molybdic acid 85%".

JUNE 1999

## AMMONIUM MOLYBDATE

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
68	43.000		N O T E R T I N E N T		N O T E R T I N E N T		N O T P E R T I N E N T