## **AMMONIUM CHROMATE**

			¬ (			
Common Synonyms Solid crystals Diammonium chromate		INFORMATION	4. FIRE HAZARDS     4.1 Flash Point:     Not flammable     4.2 Flammable Limits in Air: Not pertinent	7. SHIPPING INFORMATION 7.1 Grades of Purity: Currently not available Currently not available 7.2 Storage Temperature: Ambient		
Neutral ammonium chromate Sinks and mixes v Wear goggles and self-contained breathing a Stop discharge if possible. Isolate and remove discharged material. Notify local health and pollution control agent Protect water intakes.		away. Ihing apparatus. Il.	<ul> <li>4.3 Fire Extinguishing Agents: Water</li> <li>4.4 Fire Extinguishing Agents Not to Be Used: Currently not available</li> <li>4.5 Special Hazards of Combustion Products: Decomposes producing toxic combustion products.</li> <li>4.6 Behavior in Fire: Can explode when</li> </ul>	<ul> <li>7.3 Inert Atmosphere: Currently not available</li> <li>7.4 Venting: Currently not available</li> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.6 Ship Type: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> </ul>		
Fire	Fire data not available. May explode when shock Extinguish with water.	ed or heated.	heated or shocked. 4.7 Auto Ignition Temperature: Not pertinent 4.8 Electrical Hazards: 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.		
Exposure	Severely irritating to eyes Remove contaminated cl Flush affected areas with IF IN EYES, hold eyelids	DWED OR INHALED. kin and mucous membranes. 	<ol> <li>Burning Rate: Not pertinent</li> <li>Adiabatic Flame Temperature: Not pertinent</li> <li>Stoichometric Air to Fuel Ratio: Not pertinent</li> <li>Flame Temperature: Not pertinent</li> <li>Sombustion Molar Ratio (Reactant to Product): Currently not available</li> <li>Antimum Oxygen Concentration for</li> </ol>	8.4 Marine Pollutant: No     8.5 NFPA Hazard Classification: Not listed     8.6 EPA Reportable Quantity: 10     8.7 EPA Pollution Category: A     8.8 RCRA Waste Number: Not listed     8.9 EPA FWPCA List: Yes     9. PHYSICAL & CHEMICAL PROPERTIES		
Water Pollution	Dangerous to aquatic life May be dangerous if it er Notify local health and wi Notify operators of nearb	in high concentrations. ters water intakes. dlife officials.	Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: Forms alkaline solution which evolves free ammonia. 5.2 Reactivity with Common Materials: Not pertinent	<ul> <li>9.1 Physical State at 15° C and 1 atm: Solid</li> <li>9.2 Molecular Weight: 152.09</li> <li>9.3 Boiling Point at 1 atm: Not pertinent, decomposes 356°F = 180°C = 453.2°K</li> <li>9.4 Freezing Point: Decomposes 356°F = 180°C = 453.2°K</li> </ul>		
1. CORRECTIVE Dilute and o Stop discha		2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed 2.2 Formula: (NH-);CrOa 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No: Not listed 2.5 CAS Registry No.: 7788-98-9 2.6 NAERG Guide No.: 143 2.7 Standard Industrial Trade Classification: 51481	<ul> <li>5.3 Stability During Transport: Stable - avoid shock, heat, and contact with reducing materials.</li> <li>5.4 Neutralizing Agents for Acids and Caustics: Dissolve in water. Cover with soda ash and mix. Neutralize with 6 M HCI.</li> <li>5.5 Polymerization: Not pertinent</li> <li>5.6 Inhibitor of Polymerization: Not pertinent</li> </ul>	<ul> <li>9.5 Critical Temperature: Not pertinent</li> <li>9.6 Critical Pressure: Not pertinent</li> <li>9.7 Specific Gravity: 1.91 at 12°C</li> <li>9.8 Liquid Surface Tension: Not pertinent</li> <li>9.9 Liquid Water Interfacial Tension: Not pertinent</li> <li>9.10 Vapor (Gas) Specific Gravity: Not pertinent</li> <li>9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent</li> <li>9.12 Latent Heat of Vaporization: Not pertinent</li> <li>9.13 Heat of Combustion: Not pertinent</li> <li>9.14 Heat of Decomposition: Currently not available</li> <li>9.16 Heat of Polymerization: Not pertinent</li> <li>9.17 Heat of Fusion: Currently not available</li> <li>9.18 Limiting Value: Currently not available</li> <li>9.19 Reid Vapor Pressure: Currently not available</li> </ul>		
glasses. 3.2 Symptoms Foll membranes (chrome so purgative 3.3 Treatment of E SKIN: Was 3.4 TLV-TWA: Not 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: Nc 3.7 Toxicity by Ing 3.8 Toxicity by Ingh	ctive Equipment: Wear ru lowing Exposure: INHALA . EYES: Causes severe i res) where breaks in skin o Can cause stomach and kik (xposure: Call a physician. sh with soap and water. IN listed. I sted. J tisted. J tisted	INHALATION: Move to fresh air. EYES: Flush with water. SESTION: Dilute with water or milk. ble ble. icer, a recognized carcinogen.	<ol> <li>6. WATER POLLUTION</li> <li>6.1 Aquatic Toxicity: 96-hour TLm, Mosquito fish = 240 mg/l 48 hour TLm = 270 mg/l</li> <li>6.2 Waterfowl Toxicity: Currently not available</li> <li>6.3 Biological Oxygen Demand (BOD): Currently not available</li> <li>6.4 Food Chain Concentration Potential: High positive. Trout can accumulate hexavalent Cr at levels as low as 0.001 ppm. Hall fife in total human body 616 days.</li> <li>6.5 GESAMP Hazard Profile: Not listed</li> </ol>			
3.11 Liquid or Solid exposure; r	nay cause second-degree I Id: Currently not available ot listed. /A: Not listed. EL: Not listed. illing: Not listed.	smarting of the skin and first-degree burns on short		TES		

## **AMMONIUM CHROMATE**

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
40 50 60 70 80 90 100 110 120 130 140 150 160	25.079 29.319 32.145 34.164 35.678 36.856 37.798 38.259 38.211 38.755 40.221 40.625 40.978		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 PERTINENT