## **CALCIUM CHROMATE**

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CAUTIONARY RESPONSE INFORMATION					4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Calcium chromate (vi) Calcium chromate dihydrate Gelbin yellow ultramarine Steinbuhl yellow		Solid Sinks and mixes slo	Yellow Odorless		<ol> <li>Flash Point: Not flammable</li> <li>Flammable Arristin Air: Not flammable</li> <li>Fire Extinguishing Agents: Not pertinent</li> <li>Fire Extinguishing Agents Not to Be Used: Not pertinent</li> <li>Special Hazards of Combustion</li> </ol>	<ul> <li>7.1 Grades of Purity: Technical</li> <li>7.2 Storage Temperature: Ambient</li> <li>7.3 Inert Atmosphere: No requirement</li> <li>7.4 Venting: Open</li> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.6 Ship Type: Currently not available</li> </ul>		
Wear rubber overclothing (including gloves). Notify local health and pollution control agencies.					Products: Toxic chromium fume may be formed in fires.     4.6 Behavior in Fire: The bydrated salt loses	7.7 Barge Hull Type: Currently not available		
Fire	ter intakes. Not flammable. Will increase the intensity of a fire. Flood discharge area with water.				Solution in the the hydrate sail observations of the hydrate sail observation in the the hydrate sail observation in the hydrate sail observation in the hydrate sail of the hydrate	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. DUST Irritating to eyes, nose and throat. If inhaled will cause coughing or difficult breathing. If ine yees, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. SOLID Will burn skin and eyes. Harmful if swallowed. Remove contaminated clothing and shoes. Flush afflected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CNOSCIOUS, have victim drink water or milk and have victim induce vorniting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS,				<ul> <li>4.9 Burning Rate: Not pertinent</li> <li>4.10 Adiabatic Flame Temperature: Currently not available</li> <li>4.11 Stoichometric Air to Fuel Ratio: Not Pertinent</li> <li>4.12 Flame Temperature: Currently not available</li> <li>4.13 Combustion Molar Ratio (Reactant to</li> </ul>	<ul> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Not listed</li> <li>8.6 EPA Reportable Quantity: 10 pounds</li> <li>8.7 EPA Pollution Category: A</li> <li>8.8 RCRA Waste Number: U032</li> <li>8.9 EPA FWPCA List: Yes</li> <li>9. PHYSICAL &amp; CHEMICAL PROPERTIES</li> <li>9.1 Physical State at 15° C and 1 atm: Solid</li> <li>9.2 Molecular Weight: 192.1</li> <li>9.3 Boiling Point at 1 atm: Not pertinent</li> <li>9.4 Freezing Point: Not pertinent</li> <li>9.5 Critical Temperature: Not pertinent</li> <li>9.6 Critical Resource Current was a walkable</li> </ul>		
					4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed     5. CHEMICAL REACTIVITY     5.1 Reactivity with Water: Not flammable     5.2 Reactivity with Common Materials:			
Water Pollution	do nothing except keep victim warm. Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.				Currently not available 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent	<ol> <li>9.6 Critical Pressure: Currently not available</li> <li>9.7 Specific Gravity: &gt; 1 at 20°C (solid)</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> </ol>		
1. CORRECTIVE RESPONSE ACTIONS       2. CHEMICAL DESIGNATIONS         Dilute and disperse       2.1 CG Compatibility Group: Not listed.         Stop discharge       2.1 CG Compatibility Group: Not listed.         2.2 Formula: CaCrOx 2HzO       2.3 IMO/UN Designation: Not listed         2.4 DOT ID No: Not listed       2.4 DOT ID No: Not listed         2.5 CAS Registry No: 13765-19-0       2.6 NAERG Guide No:: 1771         2.6 NAERG Guide No:: 171       2.7 Standard Industrial Trade Classification: 52499         3. HEALTH HAZARDS       2.4 CHEMICAL DESIGNATIONS					6. WATER POLLUTION     6.1 Aquatic Toxicity: Currently not available     6.2 Waterfowl Toxicity: Currently not available     6.3 Biological Oxygen Demand (BOD): None     6.4 Food Chain Concentration Potential: Bioconcentration p to 2000-fold possible under constant exposure. Not significant under spill conditions.     6.5 GESAMP Hazard Profile: Not listed     9.11 Ratio of Specific Heats of Vapor Not pertinent     9.12 Latent Heat of Vaporization: Not pertin 9.13 Heat of Combustion: Not pertin 9.14 Heat of Solution: -73 Btu/lb = -1.7 × 10 <sup>6</sup> J/kg     9.16 Heat of Folymerization: Not pertinent     9.19 Heat of Solution: -01 Btu/lb = 9.17 Heat of Fusion: Currently not available     9.18 Limiting Value: Currently not available     9.18 Limiting Value: Currently not available			
<ol> <li>Symptoms Following Exposure: Inhalation causes irritation of nose and threat. Ingestion causes severe circulatory collapse and chronic nephritis. Contact with eyes causes irritation. Contact with skin may cause dermatilis and ulcers.</li> <li>Treatment of Exposure: INHALATION: remove to fresh air. INGESTION: give large amounts of water, induce vomting. EVES: flush with water for at least 15 min. SKIN: treat local injuries like acid burns; scrub with dikute (2%) sodium hyposulfite solution.</li> <li>TLV-TWA: 0.001 mg/m<sup>2</sup></li> <li>TLV-STEL: Not listed.</li> <li>Toxicity by Ingestion: Grade 3; LDt<sub>0</sub> = 50-500 mg/kg</li> <li>Toxicity by Inflation: Currently not available.</li> <li>Chronic Toxicity: Lung cancer may develop.</li> <li>Vapor (Gas) Irritant Characteristics: Currently not available</li> <li>Cortonic Toxicity: Lung cancer may develop.</li> <li>Vapor (Gas) Irritant Characteristics: Currently not available</li> <li>Cortonic Not listed.</li> <li>Gortonic PEL-TWA: Not listed.</li> <li>Gortonic PEL-TWA: Not listed.</li> <li>Gortonic PEL-TWA: Not listed.</li> <li>Gortonic Not listed.</li> <li>Gortonic Not listed.</li> <li>Gortan Chi listed.</li> <li>Gortonic PEL-TWA: Not listed.</li> <li>Gortan Chi listed.</li> </ol>					NOT	ES		

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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		NOT
	- PERT - NENT		- PERTINENT		- PERTINENT		- PERTINENT

9. SOLUBILIT	24 Y 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
(degrees F)	Pounds         per 100 pounds of water           10.940         10.970           11.010         11.050           11.080         11.120           11.120         11.120           11.120         11.300           11.340         11.340           11.350         11.410           11.450         11.490           11.520         11.500           11.630         11.670           11.770         11.780           11.780         11.820           11.850         11.850	(degrees F)	Pounds per square inch N O T E R T I N E N T	(degrees F)	Poundas per cubic root	(degrees F)	N O T P E R T I N E N T