CHROMIC ANHYDRIDE

(IARY RESPO	NSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Solid flakes or power Chromic axide Chromium trioxide Sinks and mixes wit			der Dark red Odorless		 4.1 Flash Point: Not flammable 4.2 Flammable Limits in Air: Not flammable 4.3 Fire Extinguishing Agents: Water 4.4 Fire Extinguishing Agents to Point 	 7.1 Grades of Purity: Technical; technical flake: 99.75% 7.2 Storage Temperature: Currently not available 7.3 Inert Atmosphere: Currently not available 		
Keep peopl Wear goggl (including g Stay upwin Notify local Brotect wat	e away. Avoid les, self-contai loves). d and use wate health and pol	d contact with solid and ned breathing appara er spray to ``knock do lution control agencie	nd dust. tus, and rubber overclothing wn" dust. is.		4.4 Price Exhipsion in Agents Not to be Used: Not pertinent 4.5 Special Hazards of Combustion Products: Not pertinent 4.6 Behavior in Fire: Containers may explode 4.7 Auto Ignition Temperature: May ignite	 7.4 Venting: Currently not available 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 		
Frice Not flammable. Not flammable. Containers may explode when heated in a fire. Extinguish with water. Cool exposed containers with water.					organic materials on contact. 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not flammable 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: Not	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Oxidizer 8.2 49 CFR Class: 5.1 8.3 49 CFR Package Group: II 8.4 Marine Pollutant: No 9.5 NEPA Hazard Classification:		
Exposure CALL FOR MEDICAL AID. SOLID Will burn skin and eyes. Harmful if swallowed. Remove contaminated 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. DO NOT INDI ICF VOMITING					Pertinent 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not Pertinent 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction	Category Classification Health Hazard (Blue)		
Water HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify local health and wildlife officials.				5.2 Reactivity with Common Materials: May react with organic materials rapidly enough to generate sufficient heat to cause ignition. Prolonged contact, particularly on wood floors, may produce	9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid			
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge			2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.3 IGO/UN Designation: 5.1/1463 2.4 DOT ID No.: 1463 2.5 CAS Registry No.: 1333-82-0 2.6 NAERG Guide No.: 141 2.7 Standard Industrial Trade Classification: 2.7 Standard Industrial Trade Classification: 5.7 Standard Industrial Trade Classification: 5.8 Vertication: 5.9 Olymerization: Extribution: 5.6 Inhibitor of Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 5.6 Out the No.: 141 2.7 Standard Industrial Trade Classification: 5.2622			 9.2 Molecular Weight: 100.01 9.3 Boiling Point at 1 atm: Not pertinent 9.4 Freezing Point: Not pertinent 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 2.70 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 		
3. HEALTH HAZARDS 3. HEALTH HAZARDS 3.1 Personal Protective Equipment: Goggles and respirator. (Special chromic acid filters are available for respirators to prevent inhalation of dust or mist.) 3.2 Symptoms Following Exposure: Very irritating to eyes and respiratory tract. Ingestion causes severe gastrointestinal symptoms. Contact with eyes or skin causes burns; prolonged contact produces dermatitis ("chrome sores"). 3.3 Treatment of Exposure: INGESTION: call a physician; do NOT induce vomiting. SKIN OR EYES: wash eyes thoroughly for at least 15 min.; flush contacted skin areas with water; remove contaminated clothing and wash before reuse. 3.4 TLV-TWA: 0.05 mg/m ³ as Cr 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed.				ilable ; ct ΞS:	 6.3 Biological Oxygen Demand (BOD): None 6.4 Food Chain Concentration Potential: None 6.5 GESAMP Hazard Profile: Not listed 	 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 Polymerization: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: 37.7 cal/g 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 		
 3.8 Toxicity by Inh. 3.9 Chronic Toxicii 3.10 Vapor (Gas) Irr 3.11 Liquid or Solidi short conta 3.12 Odor Threshol 3.13 IDLH Value: 15 3.14 OSHA PEL-TW 3.15 OSHA PEL-TGI 3.16 OSHA PEL-Cei 3.17 EPA AEGL: No 	lation: Currei ty: Lung cance tiant Characterist (Characterist c) very injurio d: Odorless mg/m ² as Cr(1 A: 1 mg/m ² as El: Not listed EL: Not listed tilsted	ntly not available. ir eristics: Not pertiner ics: Severe skin irrita us to the eyes. +6) : Cr d.	nt. Causes second- and third-degree burns	n	No	ΓΕS		

CHROMIC ANHYDRIDE

С	м	Δ
C	141	

9. SATURATED LI	20 QUID 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
	- PERT-NENT		- PERTINENT		- PERT-NENT		- PERT-NENT

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
(degrees F) 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84	of water 161.299 161.699 162.000 162.299 163.699 163.000 164.299 164.699 164.699 165.699 165.699 165.699 166.699 166.299 166.699 167.000 167.299 168.699 168.699 168.699 168.699 168.699 168.699 168.699 168.699 168.699 168.699 168.699 168.699 168.699 169.699	(degrees F)	N O T R R T I N E N T	(degrees F)	NOT PERTINENT	(degrees F)	pound-F