## **BARIUM CHLORATE**

	CAUTION	ARY RESPO	NSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION		
		Solid Sinks and mixes wit	White Odorles	SS	<ol> <li>Hash Point: Not flammable (but see 7.2)</li> <li>Flammable Limits in Air: Not pertinent</li> <li>Fire Extinguishing Agents: Not pertinent</li> <li>Fire Extinguishing Agents Not to Be</li> </ol>	7.1 Grades of Purity: Technical; Reagent 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 IMO Pollution Category: Currently not avail		
Wear gogg overclothir Shut off ig Notify loca	NTACT WITH gles, self-conta ig (including gk nition sources	SOLID AND DUST. ined breathing appara oves). and call fire departme llution control agencie	nt.		<ul> <li>Used: Currently not available</li> <li>4.5 Special Hazards of Combustion Products: Yields toxic fumes when involved in fire.</li> <li>4.6 Behavior in Fire: May cause an explosion when involved in a fire.</li> <li>4.7 Auto Ignition Temperature: Not pertinent</li> </ul>	7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Oxidizer		
Fire	Not flammable. May cause fire on contact with combustibles. POISONOUS GASES MAY BE PRODUCED IN FIRE. Containers may explode in fire. Combat fires from safe distance or protected location. Flood discharge area with water. Cool exposed containers with water.				<ul> <li>4.8 Electrical Hazards: Not pertinent</li> <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> </ul>	8.2 49 CFR Class: 5.1 8.3 49 CFR Package Group: II 8.4 Marine Pollutant: Yes 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue) 0 1 Flammability (Red) 0 0		
Exposure	CALL FOR MEDICAL AID. DUST POISONOUS IF INHALED. Irritating to eyes, nose and throat. Move victim to fresh air. If in eyes, hold eyelids open and flush with plenty of water. If breathing is difficult, give oxygen. SOLID POISONOUS IF SWALLOWED. Irritating to skin and eyes. 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 and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CON-				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     5.2 Reactivity with Common Materials: Can form explosive mixtures with combustible materials such as oil and wood; these can be ignited by friction.     5.3 Stability During Transport: Stable     5.4 Neutralizing Agents for Acids and Caustics: Not pertinent     5.5 Polymerization: Not pertinent	Instability (Yellow)		
Water Pollution	Effect of low May be dan Notify local	VULSIONS, 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.			5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity: Currently not available			
<ul> <li>Stop discharge Collection Systems: Dredge</li> <li>1. Formula: Ba(CO): HAO</li> <li>2.3 Formula: Ba(CO): HAO</li> <li>2.3 IMO/UN Designation: 5.1/1445</li> <li>2.4 DOT ID No: 11445</li> <li>2.5 CAS Registry No: 1029-43.8-9</li> <li>2.6 NAERG Guide No: 141</li> <li>2.7 Standard Industrial Trade Classification: 52339</li> <li>3.1 Personal Protective Equipment: Goggles of face shield; dust respirator (U.S. Bureau of Mines approved): rubberized shoes and gloves; coverals or other suitable outer clothing.</li> <li>3.2 Symptoms Following Exposure: Inhalation causes initiation of upper respiratory system. Contact with eyes or skin causes initiation. Ingestion causes addornial pain, nausea and vorniling, diarrhea, pallor, blueness shortness of breath, excessive salivation, convolisive tremost, show, hard pulse, elevated blood pressure; chanalation causes addorninal pain, nausea and vorniling, diarrhea, pallor, blueness shortness of breath, excessive salivation, convolisive tremost, show, hard pulse, elevated blood pressure; chanalation causes addorninal pain, nausea and vorniling, diarrhea, pallor, blueness shortness of breath, excessive salivation, convolisive tremost, show, hard pulse, elevated blood pressure; chanalation causes addorninal pain, nausea and vorniling, diarrhea, pallor, blueness shortness of breath, excessive salivation, convolisive tremost, show, hard pulse, elevated blood pressure; Get medical attention. Alert doct to possibility of barium poisoning, particularly if compound was swallowed. INHALATION: remove to fresh air. EVES: flush with vare. INGESTION: induce vorniting and call a physiciar, have victim drink aqueous 10% solution of magnesium or sodium sulfate; for severe intoxication, calcium or a magnesium salt may have to be given I.V. with caution; treatment otherwise is supportive and symptomatic.</li> <li>3.4 TLV-TWE: 0.5 mg/m<sup>2</sup> as barium</li> <li>3.5 TLV-STEL: Not listed.</li> <li>3.7 Toxicity by Inglastion: Currently not available</li> <li>3.8 Toxicity by Inglastion: Currently not</li></ul>				ines Contact ng, slow, hard ch, ng, sh with water. ion of	Bioaccumulation: 0 Damage to living resources: 1 Human Oral hazard: - Human Contact hazard: - Reduction of amenities: - NOT	<ul> <li>9.13 Heat of Combustion: Not pertinent</li> <li>9.14 Heat of Decomposition: Not pertinent</li> <li>9.15 Heat of Solution: 36 Btu/lb = 20 cal/g = 0. X 10<sup>6</sup> J/kg</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>		

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9. SATURATED L	.20 IQUID 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
32	20.350		N O T E R T		N OT P E R T		N O T E R T
			I E N T		I N E N T		I N E N T