COPPER CHLORIDE

CAUTIONA	RY RESPONSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Solid Blue-green Odorless Cupric chloride dihydrate Enocholcite (anhydrous) Sinks and mixes with water. Sinks and mixes with water. Keep people away. Avoid contact with solid and dust. Sinks and dust. Sinks and sinks and sinks		4.1 Flash Point: Not flammable 4.2 Flammable Limits in Air: Not flammable 4.3 Fire Extinguishing Agents: Not pertinent 4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent 4.5 Special Hazards of Combustion	7.1 Grades of Purity: Reagent; C.P.; Technical 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		
Notify local health and polluti Protect water intakes.		4.3 Special razards for Confiduation Products: Initiating hydrogen chloride gas may form in fire. 4.6 Behavior in Fire: Currently not available	7.7 Barge Hull Type: Currently not available		
If inhaid will c If in eyes, hold If breathing has If breathing is c SOLID Will burn eyes.	is, nose and throat. ause coughing or difficult breathing. eyelids open and flush with plenty of water. stopped, give artificial respiration. lifficult, give oxygen.	4.7 Auto Ignition Temperature: Not pertinent 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: Not Pertinent 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not Pertinent 4.14 Minimum Oxygen Concentration for	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Corrosive material 8.2 49 CFR Class: 8 8.3 49 CFR Package Group: III 8.4 Marine Pollutant: Yes 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: 10 pounds 8.7 EPA Pollution Category: A 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Yes		
Irritating to eyes. If swallowed will cause nausea and vomiting. Remove contariniated clothing and shoes. Flush affected areas with plenty of water. IF IN EVES, hold eyelds 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 CONVULSIONS, do nothing except keep victim warm.		Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: In	9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 170.48 (dihydrate) 9.3 Boiling Point at 1 atm: Not pertinent (decomposes) 9.4 Freezing Point: Not pertinent 9.5 Critical Temperature: Not pertinent		
Pollution May be danger Notify local hea	ous if it enters water intakes. alth and wildlife officials.	 5.4 Neutralizing Agents for Acids and Caustics: Flush with water, rinse with dilute solution of sodium bicarbonate or soda ash. 5.5 Polymerization: Not pertinent 	 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 2.54 at 20°C (solid) 9.8 Liquid Surface Tension: Not pertinent 9.9 Liquid Water Interfacial Tension: Not pertinent 		
IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm. Water HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. May be dangerous if it enters water intakes.		5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity: 0.009 ppm (as Cu)/*/goldfish/rapid death/fresh water 0.1-0.5 ppm*/loyster/toxic/salt water 0.55 ppm/l2 hr/mussel/killed/salt water * Time period not specified. 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): None 6.4 Food Chain Concentration Potential: Copper known to be accumulated by shelfish.Hazard to humans unknown. 6.5 GESAMP Hazard Profile:	 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 Solution: Not pertinent 9.15 Heat of Solution: Not pertinent 9.16 Heat of Fusion: 24.7 cal/g 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 		

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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		N O T
	P E R T I N E N T		P E R T 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
34 36 38 40 42 44 46 48 50 52 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84	70.950 71.309 71.669 72.020 72.379 72.730 73.489 73.440 73.799 74.150 74.509 74.509 74.509 75.219 75.580 75.229 76.639 77.000 77.349 77.709 78.070 78.419 78.749 79.129 79.490 79.839		N OT PERTINENT		N O T E R T I N E N T		N O T P E R T I N E N T