

LEAD CHLORIDE

LCL

CAUTIONARY RESPONSE INFORMATION		
Common Synonyms Lead (II) chloride Lead dichloride Plumbous chloride	Solid White Sinks and mixes with water.	Keep people away. Avoid contact with solid and dust. Wear goggles, self-contained breathing apparatus, rubber overclothing (including gloves). Notify local health and pollution control agencies.
Fire Not flammable. POISONOUS METAL FUMES MAY BE PRODUCED IN FIRE. Wear goggles, self-contained breathing apparatus, rubber overclothing (including gloves).		
Exposure CALL FOR MEDICAL AID. DUST AND FUMES. POISONOUS IF INHALED. Move to fresh air. Keep victim quiet and warm. SOLID If swallowed, may cause metallic taste, abdominal pain, vomiting and diarrhea. Flush affected area 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, have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS, do nothing except keep victim warm.		
Water Pollution HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.		

1. CORRECTIVE RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS	3. HEALTH HAZARDS	4. FIRE HAZARDS	5. CHEMICAL REACTIVITY	6. WATER POLLUTION	7. SHIPPING INFORMATION
Stop discharge Collection Systems: Dredge	2.1 CG Compatibility Group: Not listed. 2.2 Formula: PbCl ₂ 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: 2291 2.5 CAS Registry No.: 7758-95-4 2.6 NAERG Guide No.: 151 2.7 Standard Industrial Trade Classification: 52329	3.1 Personal Protective Equipment: Wear approved filter mask, rubber gloves, and safety glasses. 3.2 Symptoms Following Exposure: INHALATION: Joint and muscle pains, headache, dizziness and insomnia. Weakness, frequently of extensor muscles of hand and wrist (unilateral or bilateral). Heavy contamination - brain damage. Stupor progressing to coma - with or without convulsion, often death. Excitation, confusion, and mania less common. Cerebrospinal pressure may be increased. INGESTION: Abdominal pain, diarrhea, constipation, loss of appetite, muscular weakness, headache, blue line on gums, metallic taste, nausea, and vomiting. 3.3 Treatment of Exposure: Call a physician. INHALATION: Remove from source of exposure. Keep victim quite and warm. EYES: Flush with plenty of water. SKIN: Wash with soap and water. INGESTION: Induce vomiting and follow with gastric lavage. Administer saline cathartic and an enema. Give antispasmodic (calcium gluconate, atropine, papaverine) for relief of colic. If pain is severe morphine sulfate may be considered. 3.4 TLV-TWA: 0.05 mg/m ³ as (lead). 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Guinea pig minimum lethal dose 1500 to 2000 mg/kg. 3.8 Toxicity by Inhalation: Currently not available. 3.9 Chronic Toxicity: In man 6 mg/m ³ /day inhaled long term produces histological and pathological effects. 1.2 mg/day ingested long term produces CNS disorders. Teratogenic effects. 3.10 Vapor (Gas) Irritant Characteristics: Currently not available 3.11 Liquid or Solid Characteristics: Currently not available 3.12 Odor Threshold: Currently not available 3.13IDLH Value: 100 mg Pb/m ³ 3.14 OSHA PEL-TWA: 0.05 mg/m ³ (as lead). 3.15 OSHA PEL-STEL: Not listed. 3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA AEGL: Not listed	4.1 Flash Point: Not pertinent 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 Products: Toxic metal fumes 4.6 Behavior in Fire: Can emit toxic metal fumes 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 Stoichiometric 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 Combustion (MOCC): Not listed	5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: Currently not available 5.3 Stability During Transport: Currently not available 5.4 Neutralizing Agents for Acids and Caustics: Currently not available 5.5 Polymerization: Currently not available 5.6 Inhibitor of Polymerization: Currently not available	6.1 Aquatic Toxicity: 5.58 ppm/96-hour/ TL ₉₀ /Fathead minnow/soft water 482 ppm/96-hour/TL ₉₀ /Fathead minnow/hard water 23.8 ppm/96-hour/TL ₉₀ /Bluegill /soft water 442 ppm/96-hour/TL ₉₀ /Bluegill /hard water 31.5 ppm/96-hour/TL ₉₀ /Goldfish /soft water 20.6 ppm/96-hour/TL ₉₀ /Guppy /soft water 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): Currently not available 6.4 Food Chain Concentration Potential: Both fish and animal life can concentrate lead. 6.5 GESAMP Hazard Profile: Not listed	7.1 Grades of Purity: Currently not available 7.2 Storage Temperature: Currently not available 7.3 Inert Atmosphere: Currently not available 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

NOTES

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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 P E R T I N E N T	575 600 625 650 675 700 725 750 775 800 825 850 875 900 925 950 975 1000 1025 1050 1075 1100 1125 1150 1175 1200	0.074 0.075 0.075 0.075 0.076 0.076 0.077 0.077 0.078 0.078 0.078 0.079 0.079 0.080 0.080 0.081 0.081 0.081 0.082 0.082 0.083 0.083 0.084 0.084 0.084 0.085		N O T P E R T I N E N T		N O 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 90 100 110 120 130 140 150 160 170 180 190 200 210	0.595 0.744 0.892 1.041 1.190 1.338 1.487 1.636 1.785 1.933 2.082 2.231 2.379 2.528 2.677 2.826 2.974 3.123		N O T P E R T I N E N T		N O T P E R T I N E N T		C U R R E N T N O T A V A I L A B L E