MERCURY

(CAUTION	ARY RESPO	NSE INFORMATION	7 F	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Liquid Quicksilver Sinks in water.		Liquid Sinks in water.	Silver Odorless		 I.1 Flash Point: Not flammable I.2 Flammable Limits in Air: Not flammable I.3 Fire Extinguishing Agents: Not pertinent I.4 Fire Extinguishing Agents Not be Point 	7.1 Grades of Purity: Pure 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open		
Keep people Notify local	e away. AVOID health and pollu	CONTACT WITH LI	IQUID. s.		Is Special Hazards of Combustion Broducts: Not pertinent	7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available		
Fire	Not flammable. CALL FOR MEDICAL AID. LIQUID Effects of exposure may be delayed.			2	I.6 Behavior in Fire: Not flammable I.7 Auto Ignition Temperature: Not flammable	8. HAZARD CLASSIFICATIONS		
Exposure					flammable 1.8 Electrical Hazards: Not pertinent 1.9 Burning Rate: Not flammable 1.10 Adiabatic Flame Temperature: Currently not available 1.4 Osciberation Atta Fund Parise Net	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		
Water 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. Notify operators of nearby water intakes.				 11 Stoichometric Air to Fuel Ratio: Not pertinent. 12 Flame Temperature: Currently not available 1.13 Combustion Molar Ratio (Reactant to Product): Not nertinent 	8.6 EPA Reportable Quantity: 1 pound 8.7 EPA Pollution Category: X 8.8 RCRA Waste Number: U155/D009 8.9 EPA FWPCA List: Not listed			
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Pump; Dredge		ACTIONS Dredge	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: Hg 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: 2809 2.5 CAS Registry No.: 7439-97-6 2.6 NAERG Guide No.: 172 2.7 Standard Industrial Trade Classification: 52227	4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed ion: Not listed : 7439-97-6 :: 172 ial Trade Classification: 5.4 Neutralizing Agents for Acids and		9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: 200.59 9.3 Boiling Point at 1 atm: 675°F = 357°C = 630°K 9.4 Freezing Point: -38.0°F = -38.9°C = 234.3°K 9.5 Critical Temperature: 2663.6°F = 1462°C =		
3. HEALTH HAZARDS 3.1 Personal Protective Equipment: Avoid contact of liquid with skin. For vapor use chemical cartridge (Hopcalite) respirator. 3.2 Symptoms Following Exposure: No immediate symptoms. As poisoning becomes established, slight muscular tremor, loss of appetite, nausea, and diarrhea are observed. Psychic, kidney, and cardiovascular disturbances may occur. 2.2 Experimental former of the second data second				Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 5.1 Aquatic Toxicity:	1735.2°K 9.6 Critical Pressure: 23,300 psia = 1587 atm = 160.8 MV/m ² 9.7 Specific Gravity: 13.55 at 20°C (liquid) 9.8 Liquid Surface Tension: 470 dynes/cm = 0.470 N/m at 20°C 9.9 Liquid Water Interfacial Tension: 375			
 Tu-YTWA: 0.025 mg/m² Tu-YTWA: 0.025 mg/m² Tu-STEL: Not listed. Toxicity by Ingestion: No immediate toxicity Toxicity by Inhalation: Currently not available. Okronic Toxicity: Development of mercury poisoning Vapor (Gas) Inritant Characteristics: None Liquid or Solid Characteristics: None Zodor Threshold: Odorless JO Haule: Not listed. OSHA PEL-TWA: Not listed. OSHA PEL-STEL: Not listed. SO SHA PEL-STEL: Not listed. FO SHA PEL-Colling: 0.1 mg/m³ TPA AEGL: Not listed 		6	 0.5-1 ppm/48 hr/caragius ardium/TL-//resh water 0.29 ppm/48 hr/marine fish/TL-//salt water 8.2 Waterfowl Toxicity: Currently not available 8.3 Biological Oxygen Demand (BOD): None 8.4 Food Chain Concentration Potential: Mercury concentrates in liver and kidneys of ducks and geese to levels above FDA limit of 0.5 ppm. Muscle tissue usually well below the limit. 8.5 GESAMP Hazard Profile: Not listed 	 dynes/cm = 0.375 N/m at 20°C 9.10 Vapor (Gas) Specific Gravity: Not pertiner 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 9.17 Heat of Fusion: 2.7 cal/g 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 				

MERCURY

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
0 5 10 15 20 25 30 35 40 45 55 60 55 60 65 70 75 80 85 90 95 100	851.399 851.000 850.500 849.699 849.699 848.799 848.399 847.899 847.500 847.509 846.599 846.599 846.599 844.500 844.500 844.500 844.500 844.500 844.509 843.599 843.599	35 40 45 50 55 60 65 70 75 80 80 85 90 95 100	0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033		N OT PERTINENT	0 5 10 15 20 25 30 35 40 45 55 60 55 60 65 70 75 80 85 90 95 100	1.827 1.801 1.777 1.754 1.731 1.709 1.688 1.668 1.648 1.649 1.610 1.592 1.575 1.558 1.541 1.525 1.510 1.495 1.480 1.466 1.452

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
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			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