CADMIUM BROMIDE

(IARY RESPO	INSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Cadmium bromide tetrahydrate		Solid White Odorless			4.1 Flash Point: Not flammable	7.1 Grades of Purity: Commercial, 99.5%; Anhydrous, 99+%		
		Mixes with water.			4.2 Flammable Limits in Air: Not flammable4.3 Fire Extinguishing Agents: Not pertinent	7.2 Storage Temperature: Ambient7.3 Inert Atmosphere: No requirement		
KEEP PEO Wear dust	PLE AWAY.		TH SOLID AND DUST.		4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent	7.4 Venting: Open 7.5 IMO Pollution Category: Currently not available		
Notify local Protect wat	health and poler intakes.	lution control agencie	95.		4.5 Special Hazards of Computation Products: Toxic cadmium oxide fumes may form in fires.	7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available		
Fire Not flammable. POISONOUS GASES MAY BE PRODUCED IN FIRE.					4.6 Behavior in Fire: Currently not available4.7 Auto Ignition Temperature: Not pertinent	8. HAZARD CLASSIFICATIONS		
Wear goggles and self-contained breathing apparatus.					4.8 Electrical Hazards: Not pertinent4.9 Burning Rate: Not pertinent	8.1 49 CFR Category: Poison 8.2 49 CFR Class: 6.1		
Exposure	CALL FOR I DUST				4.10 Adiabatic Flame Temperature: Currently not available	8.3 49 CFR Package Group: II		
	If inhaled will If in eyes, he	I cause coughing or o d eyelids open and t	difficult breathing. flush with plenty of water.		4.11 Stoichometric Air to Fuel Ratio: Not Pertinent	8.5 NFPA Hazard Classification: Not listed		
If the eyes, note eyelics open and flush with plenty or v If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen.			ificial respiration. en.		4.12 Flame Temperature: Currently not available	8.6 EPA Reportable Quantity: 10 pounds8.7 EPA Pollution Category: A		
	SOLID	S IF SWALLOWED.			4.13 Combustion Molar Ratio (Reactant to Product): Not Pertinent	8.8 RCRA Waste Number: Not listed8.9 EPA FWPCA List: Yes		
	POISONOUS IF SWALLOWED. Irritating to skin and eyes. If swallowed will cause nausea, vomiting and loss of consciousness.				Combustion (MOCC): Not listed	9. PHYSICAL & CHEMICAL PROPERTIES		
	Flush affecte IF IN EYES.	ntaminated clothing an ed areas with plenty of hold evelids open an	nd shoes. of water. ad flush with plenty of water.		5. CHEMICAL REACTIVITY	9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 344 27		
	IF SWALLO or milk and h	WED and victim is C have victim induce vo	ONSCIOUS, have victim drink water miting.		5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials:	9.3 Boiling Point at 1 atm: Not pertinent (decompose)		
	IF SWALLO do nothing e	WED and victim is U xcept keep victim wa	NCONSCIOUS OR HAVING CONVULSIONS, Irm.		5.3 Stability During Transport: Stable	9.4 Freezing Point: Not pertinent		
Water	Effect of low May be dang	concentrations on a gerous if it enters wat	quatic life is unknown. ter intakes.		5.4 Neutralizing Agents for Acids and Caustics: Not pertinent	9.6 Critical Pressure: Not pertinent		
Pollution	Notify local I Notify opera	nealth and wildlife offi tors of nearby water	icials. intakes.		5.6 Inhibitor of Polymerization: Not pertinent	9.7 Specific Gravity: >1.1 at 20°C (solid) 9.8 Liquid Surface Tension: Not pertinent		
					6. WATER POLLUTION	9.9 Liquid Water Interfacial Tension: Not pertinent		
1. CORRECTIVE Dilute and d		ACTIONS	2. CHEMICAL DESIGNATIONS		6.1 Aquatic Toxicity: Currently not available	9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas):		
Stop discharge			2.2 Formula: CdBr24HzO 2.3 IMO/UN Designation: Not listed		6.2 Waterrowi Toxicity: Currently Not available 6.3 Biological Oxygen Demand (BOD): None	9.12 Latent Heat of Vaporization: Not pertinent		
			2.4 DOT ID No.: 2570 2.5 CAS Registry No.: 7789-42-6		6.4 Food Chain Concentration Potential: Concentrated by shellfish.	9.13 Heat of Composition: Not pertinent 9.14 Heat of Decomposition: Not pertinent		
			2.6 NAERG Guide No.: 154 2.7 Standard Industrial Trade Classification: 52329		6.5 GESAMP Hazard Profile: Not listed	9.15 Heat of Solution: -2.3 Btu/lb = -1.3 cal/g = -0.054 X 10 ⁵ J/kg		
		3. HEALTH H	I IAZARDS			9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: 18.4 cal/g		
3.1 Personal Prote 3.2 Symptoms Foll	ctive Equipm owing Expos	ent: Dust mask; gogg ure: Inhalation cause	gles or face shield; rubber gloves es coughing, sneezing, symptoms of lung damage.			9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not		
eyes cause 3 3 Treatment of F	s irritation.	e toxic symptoms; bo	atient to fresh air: seek medical attention		NOT			
INGESTION perform gas	l: induce vom stric lavage; se	iting; allay GI irritation	n by giving milk or egg whites at frequent intervals; . EYES: flush with water for at least 15 min.		NOT	-5		
3.4 TLV-TWA: 0.01 3.5 TLV-STEL: Not	mg Cd/m ³ inh listed.	alable; 0.002 mg Cd/r	m ³ respirable fraction.					
3.6 ILV-Ceiling: No 3.7 Toxicity by Inge	estion: Grade	4; LD50 <50 mg/kg						
3.9 Chronic Toxicit cadmium sa	ty: Delayed liv	er, kidney, and lung d	lamage has followed respiratory exposure to					
3.10 Vapor (Gas) Irr 3.11 Liquid or Solid	itant Charact	eristics: Currently not ava	ot available ailable					
3.12 Odor Threshol 3.13 IDLH Value: 9 r	d: Currently n mg/m ³ as Cd	ot available						
3.14 OSHA PEL-TW 3.15 OSHA PEL-STI	A: 0.005 mg/r EL: Not listed.	n³ as Cd						
3.16 OSHA PEL-Cei 3.17 EPA AEGL: No	ling: Not listen I listed	d.						

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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
	- PERT-NENT		- PERT-NENT		- PERT-NENT		- PERTINENT

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	nds 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 50 52 52 54 56 60 62 64 66 68 60 62 64 66 68 70 72 74 74 76 78 80 82 82 84	58.600 60.960 63.310 65.669 68.020 70.379 72.730 75.089 77.450 79.799 82.160 84.509 88.870 89.219 91.580 93.929 96.620 96.620 96.620 101.000 103.400 105.700 108.099 110.400 112.799 115.099 117.500		NOT PERTINENT		N O T P E R T T N E N T		N OO T PERTTINENT