## **CADMIUM FLUOROBORATE**

## Cautionary Response Information Common Synonyms Cadmium fluoborate Cadmium fluobrate Cadmium fluobrate Cadmium fluobrate Sinks and mixes with water. KEEP PEOPLE AWAY. AVOID CONTACT WITH LIQUID AND VAPOR. Wear goggles and self-contained breathing apparatus. Notify local health and pollution control agencies. Protect water intakes. Fire Not flammable. POISONOUS GASES MAY BE PRODUCED IN FIRE. Wear goggles and self-contained breathing apparatus. Exposure CALL FOR MEDICAL AID. VAPOR POISONOUS IF INHALED. If inhaled will cause coughing or difficult breathing. If in eyes, hold eyelids open and flushwith plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. LIQUID Irritating to skin and eyes. Harmful if swallowed. 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 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 vorniting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm. Water Pollution 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.

CORRECTIVE RESPONSE ACTIONS     Dilute and disperse     Stop discharge	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: Cd(BF4):=H2O 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: 2570 2.5 CAS Registry No.: 14486-19-2 2.6 NAERG Guide No.: 154 2.7 Standard Industrial Trade Classificati 52310						
3. HEALTH HAZARDS							
3.1 Personal Protective Equipment: Rubber gloves a	and apron; safety glasses and face shield						
eggs beaten with water, keep patient warm and medical attention. SKIN: flush with plenty of w 3.4 TLV-TWA: 0.01 mg Cd/m² inhalable; 0.002 mg Cd/r 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Grade 3; LD: = 250 mg/kg	eyes or skin cause's irritation. attent to fresh air; seek medical attention. is conscious, induce vomiting by giving a d repeat until vomit is clear; give milk or whites o d quiet. EYES: flush with plenty of water and get rater. m³ respirable fraction.						
3.8 Toxicity by Inhalation: Currently not available.							
3.9 Chronic Toxicity: Delayed liver, kidney, and lung of cadmium salts in industry.	lamage has followed respiratory exposure to						
3.10 Vapor (Gas) Irritant Characteristics: Currently no 3.11 Liquid or Solid Characteristics: Currently not av. 3.12 Odor Threshold: Odorless 3.13 IDLH Value: 9 mg/m² as Cd 3.14 OSHA PEL-TWA: 0.005 mg/m² as Cd 3.15 OSHA PEL-TEL: Not listed. 3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA AEGL: Not listed							

4. FIRE HAZARDS	7. SHIPPING INFORMATION			
4.1 Flash Point: Not flammable	7.1 Grades of Purity: Commercial, 50% solution in water			
4.2 Flammable Limits in Air: Not flammable	7.2 Storage Temperature: Ambient			
4.3 Fire Extinguishing Agents: Not pertinent	7.3 Inert Atmosphere: No requirement			
4.4 Fire Extinguishing Agents Not to Be	7.4 Venting: Open			
Used: Not pertinent	7.5 IMO Pollution Category: Currently not available			
4.5 Special Hazards of Combustion Products: Toxic hydrogen fluoride and	7.6 Ship Type: Currently not available			
cadmium oxide fumes may form in fires.	7.7 Barge Hull Type: Currently not available			
4.6 Behavior in Fire: Currently not available				
4.7 Auto Ignition Temperature: Not pertinent	8. HAZARD CLASSIFICATIONS			
4.8 Electrical Hazards: Not pertinent	8.1 49 CFR Category: Keep Away From Food			
4.9 Burning Rate: Not pertinent	8.2 49 CFR Class: 6.1			
4.10 Adiabatic Flame Temperature: Currently not available	8.3 49 CFR Package Group: III			
4.11 Stoichometric Air to Fuel Ratio: Not	8.4 Marine Pollutant: Yes			
Pertinent	8.5 NFPA Hazard Classification: Not listed			
4.12 Flame Temperature: Currently not	8.6 EPA Reportable Quantity: Not listed.			
available	8.7 EPA Pollution Category: Not listed.			
4.13 Combustion Molar Ratio (Reactant to Product): Not Pertinent	8.8 RCRA Waste Number: Not listed			
4.14 Minimum Oxygen Concentration for	8.9 EPA FWPCA List: Not listed			
Combustion (MOCC): Not listed				
·	9. PHYSICAL & CHEMICAL PROPERTIES			
5. CHEMICAL REACTIVITY	9.1 Physical State at 15° C and 1 atm: Liquid			
5.1 Reactivity with Water: No reaction	9.2 Molecular Weight: 286 (solute)			
5.2 Reactivity with Common Materials:	9.3 Boiling Point at 1 atm: Not pertinent			
Currently not available	9.4 Freezing Point: Not pertinent			
5.3 Stability During Transport: Stable	9.5 Critical Temperature: Not pertinent			
5.4 Neutralizing Agents for Acids and Caustics: Not pertinent	9.6 Critical Pressure: Not pertinent			
5.5 Polymerization: Not pertinent	9.7 Specific Gravity: 1.60 at 20°C (liquid)			
5.6 Inhibitor of Polymerization: Not pertinent	9.8 Liquid Surface Tension: Currently not available			
6. WATER POLLUTION	9.9 Liquid Water Interfacial Tension: Not pertinent			
6.1 Aquatic Toxicity:	9.10 Vapor (Gas) Specific Gravity: Not pertinent			
Currently not available	9.11 Ratio of Specific Heats of Vapor (Gas):			
6.2 Waterfowl Toxicity: Currently not available	Not pertinent  9.12 Latent Heat of Vaporization: Not pertinent			
6.3 Biological Oxygen Demand (BOD):	9.13 Heat of Combustion: Not pertinent			
Currently not available	9.14 Heat of Decomposition: Not pertinent			
6.4 Food Chain Concentration Potential:	9.15 Heat of Solution: Not pertinent			
Concentrated by shellfish  6.5 GESAMP Hazard Profile: Not listed	9.16 Heat of Polymerization: Not pertinent			
0.5 GEGANIF HAZAIN FIORIE. NOT IISTED	9.17 Heat of Fusion: Currently not available			
	9.18 Limiting Value: Currently not available			
	9.19 Reid Vapor Pressure: Currently not available			
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Temperature (degrees F)	ITΥ
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00 93.879	NOT 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)	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
	M I S C		N O T		N O T		N O T
	I B L E		P E R T I N E N		P E R T I N E N		P E R T I N E N T
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