

MATERIAL SAFETY DATA SHEET

24HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Cadmium chloride hemipentahydrate

CAS#: 7790-78-5

FORMULA: CdCl₂·2.5H₂O

SYNONYM: Cadmium dichloride hydrate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7790-78-5	100	0.002mg/m ³ (as Cd compound)	0.005mg/m ³ (as Cd dust)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Oral toxicity is high. The inhalation of cadmium chloride dust can lead to toxic effects on the respiratory tract, liver and the kidneys. Causes cancer.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation

EYE CONTACT: May be a mild to severe irritant to the eyes.

SKIN CONTACT: May cause slight to mild irritation of the skin.

INHALATION: Inhalation of dust and fumes can lead a cough, headache, shortness of breath, chest pains, pulmonary edema, and death.

INGESTION: Ingestion may lead to sudden nausea, vomiting, bloody diarrhea, weakness, convulsions, and death.

CHRONIC HEALTH EFFECTS: Prolonged exposure to low concentrations of cadmium may result in kidney damage, anemia, pulmonary fibrosis, emphysema, perforation of the nasal septum, loss of smell, male reproductive effects, and an increased risk of cancer of the prostate, lungs and liver.

ACUTE HEALTH EFFECTS: Inhalation or ingestion of rather small amounts may produce cadmium poisoning.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.