

# MATERIAL SAFETY DATA SHEET

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

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** Cadmium nitrate tetrahydrate

**CAS#:** 10022-68-1

**FORMULA:** Cd(NO<sub>3</sub>)<sub>2</sub>·4H<sub>2</sub>O

**SYNONYM:** Cadmium dinitrate tetrahydrate

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10022-68-1	100	0.002mg/m <sup>3</sup> (as Cd compound)	0.005mg/m <sup>3</sup> (as Cd dust)

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** The oral toxicity of cadmium and its compounds is high. The inhalation of cadmium fumes and dust can lead to effects on the respiratory tract and the kidneys.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, inhalation

**EYE CONTACT:** May cause slight to mild irritation of 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 and vomiting. Severe exposure can lead to dyspnea.

**INGESTION:** Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.

**CHRONIC HEALTH EFFECTS:** Long term exposure to cadmium and cadmium compounds can lead to effects of the respiratory tract and kidney damage. Cadmium is a recognized carcinogen of the connective tissue, lungs and the liver.

**ACUTE HEALTH EFFECTS:** May be irritating to skin, eyes and respiratory tract.

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## SECTION 4 First Aid Measures

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**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.