

MATERIAL SAFETY DATA SHEET

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

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: Cadmium sulfide
CAS#: 1306-23-6
FORMULA: CdS
SYNONYM: Cadmium monosulfide, Cadmium Yellow

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	1306-23-6	100	0.002mg/m3 (as Cd compound)	0.2mg/m3 (as Cd dust)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Oral toxicity of cadmium compounds is high. Causes cancer. The sulfide may form highly toxic and flammable hydrogen sulfide gas on exposure to acids or stomach fluids.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin and eyes

EYE CONTACT: Dust may cause moderate irritation of the eyes.

SKIN CONTACT: May cause slight irritation of the skin

INHALATION: Cadmium compounds are toxic by inhalation. Hydrogen sulfide gas, if formed, is poisonous.

INGESTION: Cadmium compounds are toxic by ingestion. Gastric juices may cause release of toxic hydrogen sulfide.

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: Hydrogen sulfide gas may cause painful conjunctivitis, headache, nausea, dizziness, pulmonary edema and possible death.

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.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as