

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: Zirconium chloride
CAS#: 10026-11-6
FORMULA: ZrCl₄
SYNONYM: Zirconium tetrachloride

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10026-11-6	100	5mg/m ³ (as Zr)	5mg/m ³ (as Zr)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Severe irritant to skin and eyes. Material hydrolyzes in contact with moisture releasing toxic and corrosive fumes of hydrogen chloride.

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

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

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

INHALATION: Forms hydrogen chloride in the presence of moisture. Inhalation can lead to irritation of the respiratory tract.

INGESTION: No information is available on the physiological effects of ingestion.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

ACUTE HEALTH EFFECTS: Irritation or damage to skin, eyes, mucous membranes and respiratory tract.

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 difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.