

# 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:** Zirconium ethoxide  
**CAS#:** 18267-08-8  
**FORMULA:** Zr(OC<sub>2</sub>H<sub>5</sub>)<sub>4</sub>  
**SYNONYM:** zirconium ethanolate. ethanol, zirconium salt

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	18267 -08-8	98	5mg/m <sup>3</sup> (as Zr)	5mg/m <sup>3</sup> (as Zr)

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** The product is moderately caustic and the dust may irritate the skin, eyes, and respiratory system. Moisture will produce ethanol vapor which may cause drowsiness.

**PRIMARY ROUTES OF EXPOSURE:** Inhalation, ingestion, contact with skin and eyes.

**EYE CONTACT:** The dust and ethanol hydrolysis product may cause moderate irritation of the eyes.

**SKIN CONTACT:** Solid may cause mild irritation of the skin.

**INHALATION:** Dust may cause moderate irritation to the upper respiratory tract. Ethanol vapor may cause dizziness and drowsiness

**INGESTION:** Ingestion may cause gastrointestinal distress, nausea, vomiting and headache.

**CHRONIC HEALTH EFFECTS:** No data is available for this product. Prolonged exposure to ethanol vapors may be harmful to nerves and liver.

**ACUTE HEALTH EFFECTS:** The product is a mild irritant. ethanol is a skin and eye irritant. Exposure may cause impairment of coordination and reaction time.

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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.

**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.