

MATERIAL SAFETY DATA SHEET

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

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SECTION 1 Product Identification

CHEMICAL NAME: Zirconium Sulfate tetrahydrate
CAS#: 7446-31-3
FORMULA: $Zr(SO_4)_2 \cdot 4H_2O$
SYNONYM: Sulfuric acid, Zirconium sulfate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	14644-61-2	100	5mg/m3 (as Zr)	5mg/m3 (as Zr)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: This material partially hydrolyzes in water to form dilute sulfuric acid, a strong irritant.

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

EYE CONTACT: Dust may be a moderate to severe irritant to the eyes.

SKIN CONTACT: Causes irritation to skin. Symptoms include redness, itching, and pain.

INHALATION: Inhalation of dust may irritate the respiratory tract. Symptoms may include coughing, shortness of breath.

INGESTION: Ingestion may lead to nausea, vomiting and diarrhea.

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

ACUTE HEALTH EFFECTS: Acidic behavior may cause irritation of skin, eyes and respiratory and gastrointestinal tracts.

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.