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## MATERIAL SAFETY DATA SHEET

### General Properties

Product: **Zinc Dichromate**

Synonym: Not Available

Chemical Formula:  $\text{ZnCr}_2\text{O}_7 \cdot 3\text{H}_2\text{O}$

Physical Description: Reddish-brown chunks

Melting Point:  $> 285^\circ\text{C}$

Boiling Point: Not Available

Specific Gravity: Not Available

Vapor Pressure: Not Available

Solubility in Water: Soluble

TLV of the Substance: Not Available

PEL of the Substance: Not available

Storage: Room Temperature

Remarks This compound is not listed in the Registry of Toxic effects of Chemical Substances (RTECS) or Sax Dangerous Properties of Industrial Materials, Eighth Edition.  
UN 1479 Oxidizing solid, n.o.s. (III)

CAS # Not Available RTECS # Not Available UN # 1479 (III)  
WHMIS # C

### Dangerous Reactions

Flammability: No Unusual Hazard

Flash Point (method): Not Available

Minimum Ignition Temperature: Not Available

Risk of explosion? No unusual hazard

Decomposition of the substance when heated or burned: YES,

Toxic fumes of  $\text{ZnO}$

Any Dangerous Reactions? Strong oxidizing agents

Extinguishing Media:  $\text{CO}_2$ , dry chemical, or foam

### Toxicological Data

Route(s) of Entry:

Inhalation: YES

Skin: YES

Ingestion: YES

Health Hazards - Acute and Chronic: Dichromates can burn and stain skin; oxidizer; chromium compounds are suspected carcinogens.

Signs and Symptoms of Exposure: Unknown. May include moderate to severe erythema (redness) and moderate edema (raised skin).

### **Safe Handling and Safe Use of Materials**

#### Spill or Release of Material

☐ Absorb the liquid in dry sand, diatomite, vermiculite or other drying agent then shovel into suitable containers for disposal.

☐ Acid Spills - Depending upon the situation neutralize with soda ash then use one of the following methods; soak up in an absorbent then shovel into suitable container for disposal, or flush away with a liberal amount of water.

☐ Alkaline Spills - Depending upon the situation neutralize with NaHSO<sub>4</sub> and then use one of the following methods; soak up in an absorbent then shovel into suitable container for disposal, or flush away with a liberal amount of water.

☒ Other procedures: Sweep into suitable container for disposal.

#### Waste Disposal Method:

Incinerate or landfill as complies with state and local laws.

#### Handling

Always wear gloves, mask, goggles or other protective clothing and use a hood. Follow proper laboratory procedures.

### **Personal Protection**

Respiratory Protection: YES

Eye Protection: YES

Protective Gloves: YES

Is a local exhaust system required when the substance is used for its normal purpose?  
YES

#### First Aid Procedures

#### Substance in Contact with Skin

☒ Remove contaminated clothing and rinse with copious amounts of soap and water for a considerable amount of time

☐ Produces severe caustic burns or general disorders, call a physician

☒ Call a physician

☐ Not Hazardous

Substance has been Swallowed

☐ Rinse mouth several times with water, do not swallow

☒ Drink 1 or 2 glasses of water within 15 minutes

☐ Induce vomiting

☐ In the case of imminent unconsciousness clear the respiratory tract and lay patient on side in a stable position

☒ Always Call a physician or take patient to hospital

☐ Not Hazardous

Substance in Contact with Eyes

☒ Rinse liberally with water for a considerable amount of time

☒ Always call a physician or take to a hospital

☐ Not Hazardous

Substance has been Inhaled

☒ Take patient into the fresh air and allow to rest

☐ In the case of imminent unconsciousness clear the respiratory tract and lay patient on side in a stable position

☒ Always Call a physician or take patient to hospital

Additional Instructions:

Observe proper laboratory procedures when handling material.

## **Regulatory Information**

TSCA (Toxic Substance Control Act): Listed  
SARA

302: No

313: No

Date of Preparation: 05/31/2000

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