

# MSDS Material Safety Data Sheet

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Zychrome

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## 1. Product Identification

**Appearance:** Bluish green ash  
**Classification:** Organic, Nutritive  
**Description:** Chromium Dinicocysteinate  
**Trade Name:** Zychrome  
**Product Code:** Zychrome  
**Order Code:** FG27000  
**Research Code:** RD10111

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## 2. Composition/Information on Ingredients

Chromium as chromium (III) dinicocysteinate (mcg/g) 90,000 ± 10,000

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## 3. Hazards Identification

This product **does not** contain hazardous chemicals.

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## 4. Potential Health Effects

INGESTION: The Reference Daily Intake (RDI) of trivalent chromium is 120 mcg/day. The acute oral LD<sub>50</sub> for chromium dinicocysteinate is greater than 2,000 mg/kg per b.w. in mice.

Recommended Dosage: 200-400 mcg of elemental chromium as Zychrome once a day

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INHALATION: May cause irritation of mucous membranes.

SKIN CONTACT: Slightly irritating to the skin. Dermal LD<sub>50</sub> is greater than 2,000 mg/kg per b.w. in rats. The Primary Dermal Irritation Index is 0.5.

EYE CONTACT: Severely irritating to the eye.

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## 5. First Aid Measures

INGESTION: Drink plenty of water. If any discomfort persists, obtain medical attention.

INHALATION: Remove victim to fresh air. If breathing is difficult or if any discomfort persists, obtain medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists, obtain medical attention.

EYE CONTACT: Flush with clean water immediately. Contact medical attention right away.

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## 6. Fire Fighting Measures

FIRE AND EXPLOSION HAZARD: None

HAZARDOUS DECOMPOSITION PRODUCTS: None known

STABILITY: Stable

SPECIAL FIRE FIGHTING PROCEDURES: None

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## 7. Accidental Release Measures

SPILLS: Pick up and place in a suitable container.

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## 8. Handling and Storage

Keep in a tightly closed container. Store in a cool and dry place to protect quality.

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## 9. Exposure Controls/Personal Protection

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel.

VENTILATION REQUIREMENTS: No special precautions

RESPIRATORY PROTECTION: Avoid accidental inhalation

EYES: Avoid contact with eyes. Wear protective eyeglasses or chemical safety goggles.

SKIN PROTECTION: Wear protective gloves

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## 10. Physical and Chemical Properties

APPEARANCE: Bluish green ash

ODOR: Characteristic

SOLUBILITY: Soluble in water

pH (1% SOLUTION): 2-3

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## 11. Stability and Reactivity

STABILITY: Stable under ordinary conditions of use and storage

CONDITIONS TO AVOID: Moisture, dusting

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## 12. Toxicological Information

ACUTE ORAL EFFECTS: LD<sub>50</sub> is greater than 2,000 mg/kg per b.w. in mice

ACUTE DERMAL EFFECTS: LD<sub>50</sub> is greater than 2,000 mg/kg per b.w. in rats

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## 13. Ecological Information

No information found.

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## 14. Disposal Consideration

Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 15. Transport Information

Avoid exposure to temperatures above 120 F (49 C).