

# MATERIAL SAFETY DATA SHEET

CLS

Date: 8/10/01

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## 1. Product and Company Identification

Product Name: CLS  
Chemical Name: Mixture  
Chemical Family: Mixture  
Chemical Formula: Mixture  
CAS Reg. No.: Mixture

Supplier: Grinding & Sizing Company, Inc.  
7707 Wallisville Road  
Houston, TX 77020  
Phone number: 713-673-5176

## 2. Composition:

Chromium Compound\*, 1-3%, CAS# 8075-74-9  
Proprietary Ingredients 99-97%

\*chromium III (OSHA PEL 0.5mg/m<sup>3</sup>, ACGIH TWA 0.5mg/m<sup>3</sup>)

## 3. Physical and Chemical Properties

- Appearance: dark brown powder
- Soluble in water
- Boiling point: n/a
- Melting point: n/a
- Vapor Pressure: n/a
- Specific gravity: 0.5
- Odor: none

## 4. Fire and Explosion Data

- Extinguishing media: Water spray, CO<sub>2</sub>
- Special fire fighting procedures: Evacuate all unnecessary personnel. Wear appropriate safety equipment for fire conditions including SCBA.
- Dust may form explosive mixture with air at high concentrations
- Flashpoint: n/a
- Flammability limits: n/a

## **5. Stability and Reactivity**

- Stability: stable
- Reactivity: avoid excessive heat, ignition sources and strong oxidants
- Hazardous Decomposition: SO<sub>2</sub>
- Does not polymerize

## **6. Health Hazards Identification**

- Acute Effects: irritating to the respiratory tract if inhaled
- Ingestion: Toxic if swallowed; May cause gastric distress, nausea, vomiting, liver damage.
- Eyes: Irritating to the eyes
- Skin: Irritating to the skin upon prolonged contact
- Chronic Effects: IARC not listed; OSHA not listed; NTP not listed.
- Route of entry: inhalation, skin and eye contact
- Medical conditions aggravated by exposure: none known
- First aid procedures:
  - Inhalation: Move exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.
  - Ingestion: Give large amounts of water to dilute. Then, induce vomiting if person is conscious. Seek medical attention.
  - Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing
  - Eyes: promptly wash eyes with lots of water. Continue to rinse for 30 minutes. Get medical attention.

## **7. Handling & Storage**

- Handle only in well ventilated areas. Avoid breathing dust.
- Store in cool dry place, keep away from oxidizing agents, ignition sources.
- In case of accidental release or spillage, collect and contain materials.
- Contact local, state or federal authorities for proper disposal.

## **8. Exposure Controls, Personal Protection**

- Ingredient name: chrome compounds, OSHA PEL 0.5mg/m<sup>3</sup>
- Ventilation-Local exhaust and ventilation system is recommended if handled in a confined area to control below recommended exposure levels.
- Respiratory Protection- Use NIOSH approved air purifying respirator.
- Eye Protection-Use safety glasses with side shields
- Skin Protection-Use long-sleeved clothing and gloves

## **9. Toxicological Information**

- No toxicological information is available on this product
- Trivalent chrome has relatively low toxicity due to poor cell membrane permeability and noncorrosivity

## **10. Ecological Information**

- No ecological information is available

## **11. Transport Information**

- Proper Shipping Name: Not regulated by DOT as a hazardous material
- Hazard class: none
- UN Number: none
- Packing Group: none

## **12. Regulatory Information**

- OSHA (29 CFR 1910.1200) This product should be included in a hazard communication program.
- RCRA: If this product becomes a waste, it may be characterized as a hazardous waste as prescribed by RCRA.
- CERCLA : Not subject to reporting
- SARA 313: This product contains the following chemical subject to the reporting requirements of Section 313: Chromium compounds, Acute & chronic
- NFPA Hazard Codes: Health:1, Flammability: 0, Reactivity: 0, Special hazards: 0