

For chemical emergency, spill, leak, fire, exposure, or accident,
call Chemtrec - day or night 1-800-424-9300

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT

Manufacturer's Name: Martin Operating Partnership, LP
P.O. Box 191
Kilgore, TX 75663

Emergency Phone No: Chemtrec
(800) 424-9300
(24hours)

Trade Name and Synonyms: CSC Copper Sulfur Dust
Chemical Name and Synonyms: Copper Oxychloride, Basic Copper Sulfate and Sulfur mixture

Chemical Family: Copper-Sulfur Fungicide mixture

EPA Registration Number: 82571-5

2. PRODUCT COMPONENTS

Component:	%	Threshold Value (units):
Copper Oxychloride (CAS No. 800-247-8013)		19.5 None established
Basic Copper Sulfate (CAS No. 1334-73-6)		7.6
Sulfur, CSC Technical (CAS No. 7704-34-9)		25.5 None established
Inert Ingredients	47.4	—

3. PHYSICAL INFORMATION

Appearance and Odor: Greenish powder with a sulfur-like odor

Solubility in Water: Insoluble

Bulk Density: 30 - 40 lbs./cu.ft.

4. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point (specify method - °F): Does not flash

Flammable Limits

(percent by volume): None established

Fire Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray or fog

Special Fire Fighting Procedures: Use self-contained breathing apparatus and full protective clothing

Unusual Fire and Explosion Hazards: Contain runoff by diking to prevent contamination of water supplies. Dusts may form explosive mixtures with air

NFPA Hazard Rating

0	Least		
1	Slight	2	Health
2	Moderate	0	Flammability
3	High	1	Reactivity
4	Severe		

5. REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Excessive heat

Hazardous Decomposition

Products: Oxides of copper, chlorine-containing compounds and other unknown hazardous materials may be formed in a fire situation.

Possibly hydrogen chloride may be formed

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

6. HEALTH INFORMATION

Toxicological Test Data: None established

Effects of Overexposure: Route of entry: ingestion, inhalation, eyes and skin contact. Most likely route of entry: dermal, inhalation. Product is considered to be of low to moderate toxicity. May be harmful if swallowed or inhaled. May cause irritation of eyes, nasal passages, throat and skin. Prolonged or repeated exposure may increase irritation, particularly to eyes and mucous membranes. Overexposure can lead to nausea, diarrhea, gastrointestinal distress, headaches, weakness, and in severe cases possible liver and kidney damage.

Emergency and First Aid Procedures: Call a physician immediately in all cases of suspected poisoning.

Ingestion: Harmful if swallowed. Call a physician immediately.

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Skin: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse.

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Medical Conditions Aggravated by Exposure:

Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material.

Potential Carcinogen Status: None listed by IARC, NTP or OSHA.

7. SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material is Leaked or Spilled: Contain spill; vacuum, scoop or sweep up and place in container for disposal.

Waste Disposal Method: Check local, state and Federal regulations for disposal.

8. SPECIAL PROTECTION INFORMATION

Protective Clothing:

Eye Protection (Type): Safety goggles

Gloves (Type): Rubber gloves

Respiratory Protection: If dusts exceed acceptable levels, or if irritation occurs, wear MSHA/NIOSH-approved mask or respirator for protection against pesticide dust.

Other Clothing: Long-sleeved shirt and long pants, shoes and socks.

Ventilation:

Local Exhaust: Provide in confined areas

Mechanical (General): If ventilation is not adequate, provide vents

Special: Not normally required

Other: Work in a well-ventilated area

EPA HANDLER REQUIREMENTS

Worker Protection Standard

40 CFR 170

Note: the following PPE requirements address handler/applicator requirements under FIFRA and may differ from what is felt necessary to address a clean up, needs during formulation/manufacturing or other times of involvement with the product.

Personal Protective Equipment: Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, and shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. SPECIAL PRECAUTIONS

Handling and Storage: Store in a cool, dry place away from children, food and feed products. Keep work and storage area clean

Other Precautions: Toxic to fish and other aquatic organisms.

10. REGULATORY INFORMATION

SARA TITLE III HAZARD CATEGORY:

Immediate: Y

Delayed: N

Fire: N

Reactive: N

Sudden Release of Pressure: N

SUBSTANCES REGULATED UNDER SARA, TITLE III, SECT. 313: Copper Compounds = 15%

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