FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

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LOVELAND PRODUCTS, INC. P.O. Box 1286 • Greeley, CO 80632-1286			24-Hour Emergency Phone: 1-800-424-9300 Medical Emergencies: 1-800-301-7976 U.S. Coast Guard National Response Center: 1-800-424-8802		
CHEMICAL NAME: CHEMICAL FAMILY:	C-O-C-S® 15 SULFU Copper Oxychloride S Copper-Sulfur Fungici 34704-393	Sulfate; Sulfur			
MSDS Number: 000393-		SDS Revisions: Sections 3 and 16	Date Of Issue: 08/01/06	Supersedes: 07/06/04	
2. HAZARDS INDEN	TIFICATION SUMM	MARY			
		JTION – Causes skin and eye irritation ap and water after handling.	. Harmful if swallowed or absorbed th	rough skin. Avoid contact with	
This product is greenish p	owder with sulfur-like	e odor.			
3. COMPOSITION, IN	NFORMATION ON	INGREDIENTS			
Chemical Ingredients:	Pe	ercentage by Weight:	CAS No.	TLV (Units)	
Copper Oxychloride, and		15.00	1332-65-6	None Established	
Basic Copper Sulfate Sulfur Inert Ingredients		25.00 60.00	7704-34-9	None Established	
4. FIRST AID MEASU	JRES				
If swallowed:	Call a poison cor	ntrol center or doctor immediately for trea	tment advice. Have a person sip a gla	ss of water if able to swallow.	
If on skin or clothing:		omiting unless told to do so by the poison inated clothing. Rinse skin immediately w		Call a poison control center or	
If in eyes:	doctor for treatme Hold eve open a	ent advices. nd rinse slowly and gently with water for	15-20 minutes. Remove contact lense	s, if present, after the first 5	
If inhaled:	minutes, then co	ntinue rinsing eye. Call a poison control of fresh air. If person is not breathing, call 9	center or doctor for treatment advice.		
	mouth-to-mouth,	if possible. Call a poison control center of	or doctor for further treatment advice.		
FOR A MEDICAL EMERGENC		DUCT CALL: 1-800-301-7976. Have the , or going for treatment.	product container or label with you w	hen calling a poison control	
5. FIRE FIGHTING M	EASURES				
FLASH POINT (°F/Test M	ethod):	Not applicable			
FLAMMABLE LIMITS (LFL & UFL): EXTINGUISHING MEDIA: HAZARDOUS COMBUSTION PRODUCTS:		Not applicable			
		Dry chemical, carbon dioxide, foam, water spray or fog. Hydrogen chloride, oxides of copper, oxides of sulfur, chlorine-containing compounds, and other			
		unknown hazardous material may	be formed in a fire situation.		
SPECIAL FIRE FIGHTING PROCEDURES:		If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective			

UNUSUAL FIRE AND EXPLOSION HAZARDS:

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

gear.

Avoid breathing dusts. Sweep up spills and transfer to approved chemical containers for disposal or rework. Keep dusting to a minimum. If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. Check local, state and federal regulations for proper disposal. **CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Dusts may form explosive mixtures with air; avoid using heavy water streams.

7. HANDLING AND STORAGE

HANDLING:	Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide
	gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the
	outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
STORAGE:	Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excessive
	heat. Carefully open containers. After partial use, fold and roll back bags, clamp and close tightly. Do not put concentrate
	or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water supplies, food or feed
	by storage or disposal.

EXPOSURE CONTROLS / PERSONAL PROTECTION 8.

ENGINEERING CONTROLS:	When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.					
RESPIRATORY PROTECTION: EYE PROTECTION: SKIN PROTECTION:						

Personal Protective Equipment: Applicators and other handlers must wear: long-sleeved shirt and long pants chemical-resistant gloves made of any waterproof material, 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. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Greenish powder with sulfur-like odor BULK DENSITY: 30-40 lbs/ft3 SPECIFIC GRAVITY (Water = 1): 0.48-0.64 g/ml VAPOR PRESSURE: Not applicable BOILING POINT: Not applicable PERCENT VOLATILE (by volume): Not applicable EVAPORATION RATE: Not applicable Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers and acids. HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, oxides of copper, oxides of sulfur, chlorine-containing compounds, and other unknown hazardous material may be formed in a fire situation.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >5000 mg/kg Eye Irritation (rabbit): Slight irritant. Inhalation LC₅₀ (rat): Not established Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH

12. ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or groundwater.

13. DISPOSAL CONSIDERATIONS

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

TRANSPORT INFORMATION 14.

DOT Shipping Description: NOT REGULATED BY USDOT.

U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS; NOI; OTHER THAN POISON (NMFC 102120; CLASS: 60)

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA

- Health
- Flammability 0 0
 - Instability 2
- Slight Moderate 3 High

Least

0

1

4

Severe

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HMIS

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Health

PPE

Flammability

Reactivity

SOLUBILITY: Insoluble pH: Not applicable

CONDITIONS TO AVOID: Excessive heat.

Skin Irritation (rabbit): Slight irritant. Skin Sensitization (guinea pig): Not established.

Acute Dermal LD₅₀ (rabbit): >2000 mg/kg

MATERIAL SAFETY DATA SHEET

C-O-C-S® 15 SULFUR 25 DUST

SARA Hazard Notification/Reporting SARA Title III Hazard Category:	Immediate Delayed	<u>Y</u> N	Fire Reactive	<u>_N</u> N	Sudden Release of Pressure	<u>N</u>
Reportable Quantity (RQ) under U.S. SARA, Title III, Section 313: Not listed RCRA Waste Code: Not listed CA Proposition 65: Not listed		listed				
16. OTHER INFORMATION						
MSDS STATUS: Sections 3 and 16 rev	vised					
PREPARED BY: Registrations and Regulatory Affairs				REVIEWED BY: Environmental/ Regulatory Services		
®C-O-C-S is a registered trademark of I	Loveland Produ	ucts, Inc.				

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