

MATERIAL SAFETY DATA SHEET

WETTABLE SULFUR FUNGICIDE-INSECTICIDE

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:

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

PRODUCT NAME: WETTABLE SULFUR FUNGICIDE-INSECTICIDE
CHEMICAL NAME: Sulfur
CHEMICAL FAMILY: Elemental Sulfur Fungicide
EPA REG. NO.: 34704-734
MSDS Number: 00734-04b-LPI

MSDS Revisions: Sec. 1, 7, 8, and 13

Date Of Issue: 06/17/04

Supersedes: 01/06/04

2. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Sulfur	92.00	7704-34-9	None Established
Inert Ingredients	8.00		

3. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing.

This product is pale yellow powder with sulfur odor.

4. FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advices.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not applicable
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of sulfur, hydrogen sulfide, 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 gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dusts may form explosive mixtures with air; avoid using heavy water streams.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

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.

7. HANDLING AND STORAGE

HANDLING: Do not smoke while applying this product. 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 away from heat, sparks or flame. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess 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 handling and storage of product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the 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: Not normally required. If dusts exceed acceptable levels, wear a NIOSH approved pesticide respirator.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Nuisance Particulates	15 mg/m ³ (total dust)	none established

PERSONAL PROTECTIVE EQUIPMENT: Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks, and protective eyewear. 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

<p>APPEARANCE AND ODOR: Pale yellow powder with sulfur odor</p> <p>SPECIFIC GRAVITY (Water = 1): 0.55 g/ml</p> <p>VAPOR PRESSURE: Not applicable</p> <p>PERCENT VOLATILE (by volume): Not applicable</p> <p>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.</p>	<p>BULK DENSITY: 34.3 lbs/ft³</p> <p>BOILING POINT: Not applicable</p> <p>EVAPORATION RATE: Not applicable</p> <p>SOLUBILITY: Insoluble</p> <p>pH: Not applicable</p>
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10. STABILITY AND REACTIVITY

<p>STABILITY: Stable</p> <p>INCOMPATIBILITY: None known.</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur, hydrogen sulfide, and other unknown hazardous material may be formed in a fire situation.</p> <p>HAZARDOUS POLYMERIZATION: Will not occur.</p>	<p>CONDITIONS TO AVOID: Extreme heat.</p>
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11. TOXICOLOGICAL INFORMATION

<p>Acute Oral LD₅₀ (rat): 5000 mg/kg</p> <p>Eye Irritation (rabbit): Causes moderate eye irritation.</p> <p>Inhalation LC₅₀ (rat): 5.04 mg/L (4 HR)</p> <p>Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH</p>	<p>Acute Dermal LD₅₀ (rabbit): >2000 mg/kg</p> <p>Skin Irritation (rabbit): Not an irritant.</p> <p>Skin Sensitization (guinea pig): Not a sensitizer.</p>
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12. ECOLOGICAL INFORMATION

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where run-off is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply product only as specified on product label.

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 other pesticides, fertilizers, water supplies, food or feed by handling and storage of product.

14. TRANSPORT INFORMATION

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:	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">NFPA</td> <td style="width: 50%;">HMIS</td> </tr> <tr> <td>1 Health</td> <td>0 Least</td> </tr> <tr> <td>1 Flammability</td> <td>1 Slight</td> </tr> <tr> <td>0 Instability</td> <td>2 Moderate</td> </tr> <tr> <td></td> <td>3 High</td> </tr> <tr> <td></td> <td>4 Severe</td> </tr> </table>	NFPA	HMIS	1 Health	0 Least	1 Flammability	1 Slight	0 Instability	2 Moderate		3 High		4 Severe	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">1 Health</td> <td style="width: 50%;">1 Flammability</td> </tr> <tr> <td></td> <td>0 Reactivity</td> </tr> <tr> <td></td> <td>H PPE</td> </tr> </table>	1 Health	1 Flammability		0 Reactivity		H PPE
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SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

16. OTHER

MSDS STATUS: Sections 1, 7, 8, and 13 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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