MATERIAL SAFETY DATA SHEET

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: DUSTING SULFUR FUNGICIDE/MITICIDE
CHEMICAL NAME: Sulfur
CHEMICAL FAMILY: Elemental Sulfur Fungicide
EPA REG. NO.: 34704-724
MSDS Number: 000724-04b-LP1
MSDS Revisions: See section 16
Date Of Issue: 07/08/04
Supersedes: 02/26/04

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Causes eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

This product is pale yellow powder with sulfur odor. Avoid contact with skin, eyes, or clothing.

4. FIRST AID MEASURES

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 advice. 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 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. Do not give anything by mouth to an unconscious person. 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. 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: 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 fire, 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 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, food or feed by storage or disposal.
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.


OSHA PEL 8 hr TWA  69.3 lbs/ft³
ACGIH TLV-TWA 15 mg/m³ (total dust) none established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pale yellow powder with sulfur odor

SPECIFIC GRAVITY (Water = 1): 1.11 g/ml @ 20°C  BULK DENSITY: 69.3 lbs/ft³

PH: Not applicable

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  CONDITIONS TO AVOID: Extreme heat, sparks or flame.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur, hydrogen sulfide, and other unknown hazardous material may be formed in a fire situation.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 5587 mg/kg  Acute Dermal LD₅₀ (rabbit): >2000 mg/kg

Eye Irritation (rabbit): Causes moderate eye irritation.  Skin Irritation (rabbit): Not an irritant

Inhalation LC₅₀ (rat): 5.2 mg/L (4 HR)  Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH

12. ECOLOGICAL INFORMATION

Do not apply when weather conditions favor drift from areas treated. Do not apply where run-off is likely to occur. Apply the product only as specified on the product’s label. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Completely empty bag into application equipment. Then dispose of it 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 storage or disposal.

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:  

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<td>1 Flammability</td>
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<td>2 Moderate</td>
<td>0 Reactivity</td>
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<td>3 High</td>
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<td>4 Severe</td>
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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 INFORMATION

MSDS STATUS: Format modified to address changes in ANSI Standard Z400.1-2004
PREPARED BY: Registrations and Regulatory Affairs REVIEWED BY: Environmental/ Regulatory Services

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