

MATERIAL SAFETY DATA SHEET

THIEF™

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: 1-866-944-8565
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: THIEF™ DRY FLOWABLE HERBICIDE

CHEMICAL NAME: Thifensulfuron-methyl: Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino] carbonyl]amino] sulfonyl]-2-thiophenecarboxylate

CHEMICAL FAMILY: Sulfonyleurea Herbicide

EPA REG. NO.: 34704-1003

MSDS Number: 001003-09-LPI

MSDS Revisions: New

Date of Issue: 01/28/09

Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Si usted entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.) Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

This product is dark brown solid granular powder with no odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Thifensulfuron-methyl	75.00	79277-27-3	not listed
Inert Ingredients	25.00		

4. FIRST AID MEASURES

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

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565. Have the product label or container 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):

LFL: 0.10 – 0.25 g/L

EXTINGUISHING MEDIA:

Use media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS:

None known.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If water is used to fight fire and cool the containers, contain run-off by diking to prevent contamination of water supplies.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Contain the spill at its source. Avoid dust formation. Clean up spills immediately by sweeping or vacuuming and collect in a suitable container for disposal. Scrub the spill area with water and detergent. Pick up wash liquid with absorbent and place into disposal container. 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.

STORAGE: Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

Personal Protective Equipment: Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves, Category A, (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all >14 mils, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local ventilation is recommended.

RESPIRATORY PROTECTION: Not normally required, if vapors or mists exceed acceptable levels, wear a MSHA / NIOSH approved respirator.

EYE PROTECTION: Wear shielded safety glasses or goggles.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirt and long pants and shoes plus socks. Wear chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Nuisance particulates	15 mg/m ³	Not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark brown solid granular powder with no odor

SPECIFIC GRAVITY (Water = 1): 0.61 – 0.70 g/ml

VAPOR PRESSURE: Not established

PERCENT VOLATILE (by volume): Not established

BULK DENSITY: 38.1 – 43.7 lbs/ft³

BOILING POINT: Not established

EVAPORATION RATE: Not established

SOLUBILITY: Dispersible

pH: Not established

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 under normal conditions.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (male rat): > 5,000 mg/kg

Eye Irritation (rabbit): Moderate eye irritant

Inhalation LC₅₀ (male rat): > 7.9 mg/L (4 hr).

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

Target Organs: None noted

Acute Dermal LD₅₀ (rat): > 2,000 mg/kg

Skin Irritation (rabbit): Slight irritant

Skin Sensitization (guinea pig): Not a sensitizer

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 contaminate water when disposing of equipment wash waters or rinsate.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** For Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. For Fiber Sacks: Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Container Refilling and Disposal (For Containers up to 250 gallons):** This container is refillable. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than LPI Thifensulfuron. Reseal and return the container to any authorized Loveland Products, Inc. refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke. For minor spills, leaks, etc., follow all precautions indicated on the product label and/or MSDS and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. **Container Disposal for Bulk Containers:** When the container is empty, replace the cap and seal all openings that have been opened during use, and return the container to the point of purchase or to a designated location named at time of purchase of this product. The container must only be refilled with this pesticide product. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, contact Loveland Products, Inc. at 1-800-356-7202. If not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling. Disposal of the container must be in compliance with state and local regulations. For minor spills, leaks, etc., follow all precautions indicated on the product label and/or MSDS and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT**U.S. Surface Freight Classification:** COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS: 60)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:**NFPA**

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

HMIS

2	Health
0	Flammability
0	Reactivity
H	PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>N</u>	Reactive	<u>N</u>		

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: New**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental/ Regulatory Services*Thief is a trademark of Loveland Products, Inc.*

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