

MATERIAL SAFETY DATA SHEET

CYPERCEDE™ TERMITICIDE/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: CYPERCEDE™ TERMITICIDE/INSECTICIDE
CHEMICAL NAME: Cypermethrin; (±)-a-Cyano (3-Phenoxyphenyl) methyl (±) *cis-trans*-3- (2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate]
CHEMICAL FAMILY: Pyrethroid Insecticide
EPA REG. NO.: 34704-897
MSDS Number: 000897-08b-LPI **MSDS Revisions:** Section 13 **Date of Issue:** 08/14/08 **Supersedes:** 06/05/08

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if inhaled, swallowed or absorbed through skin. Causes moderate eye injury. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes and clothing. The active ingredient may produce sensations (burning, numbing, tingling) in some individuals.

This product is amber liquid with a soapy odor. Primary routes of entry are eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Cypermethrin	24.80	52315-07-8	Not Established
Other Ingredients, including Isobutyl Alcohol	75.20	78-83-1	152 mg/m ³

4. FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have 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 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 advice.

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 label or container with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: This product is a Pyrethroid insecticide containing the active ingredient Cypermethrin. Oral toxicity is low, but because Cypermethrin is lipophilic, do not administer milk, cream or other substances containing vegetable or animal fats, which enhance absorption. Treatment, otherwise, is symptomatic and supportive.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): 201°F (94°C) / CC

FLAMMABLE LIMITS (LFL & UFL): Not established

EXTINGUISHING MEDIA: Foam, CO₂, or dry chemical. Use soft stream water fog only.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition or combustion may result in the release of carbon dioxide, hydrogen cyanide, chlorine, and hydrogen chloride.

SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors. Keep non-essential personnel away from the immediate fire area, and out of any fall-out or run-off areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible. Can release vapors which can form explosive mixtures at temperatures at or above the flashpoint. Heavy vapors can flow along surfaces to distant ignition sources and flash back.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Small spill or leak: Avoid bodily contact. Confine spill by diking with suitable absorbent material. Pick up absorbed spill and place in a suitable container for proper disposal in accordance with all Federal, State and Local regulations.

Large spill or leak: Follow basic procedure as outlined in small spill or leak steps above. To clean and neutralize spill area, tools and equipment, wash with a solution of alcohol (methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb any excess liquid and add to the drums of waste collected. Repeat if necessary. Dispose in accordance with Federal, State and Local regulations.

CAUTION: Do not allow any spill clean up materials to enter waterways.

7. HANDLING AND STORAGE

HANDLING: Wear protective eyewear, goggles, face shield, or safety glasses when handling. Wash thoroughly with soap and water after handling and 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. See section 8 for additional information on personal protection. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

STORAGE: Store in original containers only. Store in a cool, dry place and avoid excessive heat. Do not store below 40°F (4.4°C). After partial use, replace lids and close tightly. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: See product label for additional information.

RESPIRATORY PROTECTION: Wear a NIOSH approved respirator with a R, P, or HE filter) or a NIOSH approved respirator with an organic vapor (OV) approved cartridge or canister with R, P, or HE prefilter).

EYE PROTECTION: Protective eyewear, goggles, face shield, or safety glasses.

SKIN PROTECTION: All pesticide handlers (mixers, loaders, and applicators must wear protective clothing: long sleeve coveralls over short-sleeved shirts and pants, socks, chemical resistant footwear, and chemical-resistant gloves while mixing undiluted product.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Isobutyl Alcohol	300 mg/m ³	152 mg/m ³

Personal Protective Equipment: All pesticide handlers (mixers, loaders, and applicators) must wear: long-sleeved shirt and long pants, socks, and chemical-resistant gloves. Regular work shirts, pants, socks, shoes and waterproof gloves are sufficient after the product is diluted in accordance with label directions for use and/or when mixing and loading using a closed spray tank transfer system, or an in-line injector system. In addition, all pesticide handlers must wear a respiratory protection device (see above) when working in a non-ventilated space; all pesticide handlers must wear protective eyewear (goggles and/or face shield and/or shielded safety glasses with front, brow, and temple protection) when working in a non-ventilated space or when applying product by rodding or sub-slab injection.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Amber liquid with soapy odor	BULK DENSITY: 8.01 lbs/gal.	SOLUBILITY: Emulsifies
SPECIFIC GRAVITY (Water= 1): 0.96 g/ml	BOILING POINT: Not established	pH: 5.5 (5% emulsion)
VAPOR PRESSURE (mmHg): Not established	EVAPORATION RATE: Not established	
PERCENT VOLATILE (by volume): 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

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Heat and fire may result in thermal decomposition and release carbon monoxide, carbon dioxide, hydrogen cyanide, chlorine, and hydrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Excessive heat and fire.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 1085 mg/kg	Acute Dermal LD₅₀ (rabbit): > 2000 mg/kg
Eye Irritation (rabbit): Moderately irritating.	Skin Irritation (rabbit): Moderately irritating.
Inhalation LC₅₀ (rat): 12.35 mg/L (1 HR)	Skin Sensitization (guinea pig): No data available.

Carcinogenic Potential: No components listed in ACGIH, OSHA, NTP, or IARC as a carcinogen.

12. ECOLOGICAL INFORMATION

This product is extremely toxic to fish. 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.

This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply this product or allow it to drift to crops or weeds on which bees are actively foraging.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL: Non-refillable container.** Do not reuse the container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. If not recycled, then 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. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

14. TRANSPORT INFORMATION

DOT Shipping Description: Not DOT regulated in quantities of 119 gallons or less.
U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS; NOI; OTHER THAN POISON (NMFC 102120; 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		HMIS		
	1	Health	0	Least	1	Health
	1	Flammability	1	Slight	1	Flammability
	0	Instability	2	Moderate	0	Reactivity
			3	High	H	PPE
			4	Severe		

SARA Hazard Notification/Reporting

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

Reportable Quantity (RQ) under U.S. CERCLA: Isobutyl Alcohol (CAS: 78-83-1) (<0.7% in product) 5000 lbs.)

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: Section 13 revised
PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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