

MATERIAL SAFETY DATA SHEET

COVERT™

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: COVERT™ TERMITICIDE / INSECTICIDE
CHEMICAL NAME: Permethrin: (3-Phenoxyphenyl) methyl (±) cis-trans-3- (2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate*
CHEMICAL FAMILY: Synthetic Pyrethroid Insecticide
EPA REG. NO.: 34704-963
MSDS Number: 000963-07-LPI **MSDS Revisions:** New **Date of Issue:** 01/03/07 **Supersedes:** New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION - Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not allow people or pets on treated areas until the spray has dried. Do not touch treated surfaces until the spray has dried.

This product is amber liquid with a faint mild petroleum odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Permethrin	36.80	52645-53-1	not listed
Inert ingredients, including:	63.20		
Petroleum Solvent		8052-41-3	525 mg/m ³
Triacetin		102-76-1	not listed

4. FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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

NOTE TO PHYSICIAN: This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Reversible skin sensations (paresthesia) may occur and ordinary skin salves have been found useful in reducing discomfort.

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.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): 111°F / 43.8°C (TCC)

FLAMMABLE LIMITS (LFL & UFL): None established

EXTINGUISHING MEDIA: Foam, CO₂, or dry chemical. Soft stream water fog only if necessary.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, chlorine, and hydrogen chloride may be formed in a fire situation.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Moderately combustible. When heated above the flash point, this material releases vapors which, when mixed with air, can burn or become explosive. If water is used to fight fire and cool the containers, contain run-off by diking to prevent contamination of water supplies. Containers in fire may burst or explode from excessive heat.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Isolate spill area. Absorb with an absorbent material such as pet litter, sand or soil. Sweep up, vacuum, or shovel waste and transfer to labeled containers for proper disposal. Wash the spill area, tools and equipment with a suitable solution of bleach or caustic/soda ash and an appropriate alcohol (methanol, ethanol, or isopropanol). Follow this by washing with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in labeled chemical containers and handle in an approved manner. Check local, state and federal regulations for proper disposal. Flush the area with water to remove any residue. For large spills: contain liquid by diking the area, keep product out of water supplies. Large spills that soak into ground should be dug up to a depth of 1 to 2 inches, placed in drums and disposed of in accordance with instructions provide under DISPOSAL, section 13 of this MSDS. Any recovered spilled liquid should be similarly collected and disposed of.

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: Store at room temperatures above 40°F (4.4°C). If crystals form, warm to room temperature 70°F (21.1°C) for 24-48 hours only, shaking occasionally until crystals dissolve and product appears uniform. Keep out of reach of children and animals. Carefully open containers. After partial use, replace lids and close tightly. Do not use or store near heat or open flame. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust at all process locations where vapor or mist may be generated. Ventilate all transport vehicles prior to unloading.

RESPIRATORY PROTECTION: Not normally required; if vapors or mists become excessive, wear a NIOSH approved pesticide respirator with cartridges for pesticide vapors. **When working in a non-ventilated area all pesticide handlers must wear:** Respiratory protection device (air purifying respirator with NIOSH approved TC-23C pesticide cartridges) and protective eyewear.

EYE PROTECTION: Chemical goggles or shielded safety glasses. Pesticide handlers must wear protective eyewear when applying termiticide by rodding or sub-slab injection. Emergency eyewash and drench showers should be available in case of eye or skin contamination.

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

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Petroleum Solvent	2900 mg/m ³	525 mg/m ³
Ethyl benzene	435 mg/m ³	434 mg/m ³
1,2,4-Trimethylbenzene	not listed	123 mg/m ³

Personal Protective Equipment (PPE): All pesticide handlers (mixers, loaders, and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. 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 such as U-Turn, or an in-line injector system, shirt, pants, socks, shoes, and waterproof gloves are sufficient. In addition: all pesticide handlers must wear a respiratory protection device approved by the Mine Safety and Health Administration (MSHA)/National Institute for Occupational Safety and Health (NIOSH) such as TC-23C, TC-21C, TC-19C, TC-13F, and TC-14G when working in a non-ventilated space; all pesticide handlers must wear protective eyewear when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection. Follow manufacturer's instructions for cleaning and maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Amber liquid with a faint mild petroleum odor.

SPECIFIC GRAVITY (Water = 1): 1.039 g/ml

VAPOR PRESSURE: Not applicable

PERCENT VOLATILE (by volume): 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.

BULK DENSITY: 8.67 lbs/gal.

BOILING POINT: Not established

EVAPORATION RATE: Not applicable

SOLUBILITY: Emulsifies

pH: 4.8 – 5.0 (6% solution)

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, chlorine, and hydrogen chloride may be formed in a fire situation.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 1030 mg/kg

Eye Irritation (rabbit): Moderate eye irritant

Inhalation LC₅₀ (rat): 2.05 mg/L (4 hr).

Carcinogenic Potential: Ethyl benzene is listed as a Class 2B carcinogen (limited evidence for carcinogenicity in humans) by the International Agency for Research on Cancer (IARC). Ethyl benzene was found to be possibly carcinogenic to humans by NTP. ACGIH lists Ethyl benzene as TLV-A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans). Not listed by OSHA.

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

Skin Irritation (rabbit): Moderate skin irritant

Skin Sensitization (guinea pig): Not a sensitizer.

12. ECOLOGICAL INFORMATION

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area. This pesticide is extremely toxic to fish and aquatic invertebrates. 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 by cleaning equipment or disposal of equipment wash waters. Do not apply when weather conditions favor drift from treated areas.

13. DISPOSAL CONSIDERATIONS

Metal containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local regulations. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or dispose of in a sanitary landfill, or, incineration, or, if allowed by state and local regulations, by burning. If burned, stay out of smoke. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law.

14. TRANSPORT INFORMATION

DOT Shipping Description: LESS THAN 119 GALLONS NOT REGULATED BY USDOT FOR SURFACE (GROUND) TRANSPORTATION.
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. Packaging and classification for these modes of transportation are more stringent.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:**NFPA**

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

HMIS

1	Health
2	Flammability
0	Reactivity
H	PPE

SARA Hazard Notification/Reporting

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

Reportable Quantity (RQ) under U.S. CERCLA: Ethylbenzene (CAS: 100-41-1) 1000 pounds

SARA, Title III, Section 313: Permethrin (CAS: 52645-53-1) 36.80%; 1,2-4 Trimethylbenzene (CAS: 95-63-6): <4.0%; Ethylbenzene (CAS: 100-41-1) <0.03%

RCRA Waste Code: Not listed.

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER INFORMATION

MSDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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*cis/trans ratio: Max. 42% (±) cis and min. 58% trans

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