

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 **PRODUCT IDENTIFIER:**
TRADE NAME: **COVERT® TERMITICIDE / INSECTICIDE**
- 1.2 **RECOMMENDED USE:** **ORNAMENTAL INSECTICIDE – COMMERCIAL TERMITE CONTROL**
- 1.3 **SUPPLIER DETAILS:**
LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286
- 1.4 **24 Hour Emergency Phone:** 1-800-424-9300 - **Medical Emergencies:** 1-866-944-8565 – **Product Information:** 1-888-574-2878 (LPI-CUST)
U.S. Coast Guard National Response Center: 1-800-424-8802

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 29 CFR 1910.1200

Sensitization – Skin	Category 1	H317
Germ Cell Mutagenicity	Category 1B	H340
Carcinogenicity	Category 1B	H350
Aspiration Hazard	Category 1	H304

2.2 Label elements



Signal word: **DANGER**
 Hazard Statement: H317 – May cause an allergic skin reaction.
 H340 – May cause genetic effects.
 H350 – May cause cancer.
 H304 – May be fatal if swallowed and enters airways.

Precautionary Statement: (Prevention): P261 – Avoid breathing dust/fume/mist/vapors/spray.
 P272 – Contaminated work clothing must not be allowed out of the workplace.
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 P201 – Obtain special instructions before use.
 P202 – Do not handle until all safety instructions have been read and understood.

Precautionary Statement: (Response): P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
 P321 – Specific treatment (see NOTE TO PHYSICIAN on the product label).
 P363 – Wash contaminated clothing before reuse.
 P308+P313 – If exposed or concerned: Get medical advice/attention.
 P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 – DO NOT induce vomiting.

Precautionary Statement: (Storage): P405 – Store locked up.

Precautionary Statement: (Disposal): P501 – Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards Not Otherwise Classified - HNOC

Very toxic to aquatic life.
 Very toxic to aquatic life with long lasting effects.



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3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Classification according to 29 CFR 1910.1200

Chemical Name:	CAS No.	Concentration [%]
Permethrin	52645-53-1	36.8
Hydrocarbon solvent	Proprietary	>15
Naphthalene	91-20-3	0.2

*Ingredients not precisely identified are proprietary or non-hazardous.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

- 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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- 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.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: No data available.

4.3 Immediate Medical Attention and Special Treatment

Treatment: **NOTES TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia.
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

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO₂), foam.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion, including CO₂, chlorine, hydrogen chloride.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



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6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing. Remove all sources of ignition. Wash thoroughly after handling.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: 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 washwaters or rinsate.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Sweep up material and place in a suitable container for disposal. After removal flush contaminated area thoroughly with water.
Small Spills: Control the spill at its source. Soak up and absorb material then sweep up material and place in a suitable container for disposal. After removal flush contaminated area thoroughly with water.
Never return spills to original containers for re-use.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Do not eat, drink or smoke when using this product. Remove all sources of ignition. Avoid contact with skin and eyes. Keep away from open flames, hot surfaces and sources of ignition. Check that all equipment is properly bonded and grounded. Use spark resistant tools. Remove and wash contaminated clothing before reuse.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Keep container tightly closed in a dry, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations. Store locked up. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (ACGIH) TLVs®

Components	Type	Value
Hydrocarbon solvent	TWA	100 ppm - 525 mg/m ³
Naphthalene	TWA	10 ppm - 52 mg/m ³ Skin

U.S. Workplace Exposure Level (OSHA) PELs

Components	Type	Value
Hydrocarbon solvent	TWA	500 ppm - 2900 mg/m ³
Naphthalene	TWA	10 ppm - 50 mg/m ³

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Specimen
Naphthalene	End of shift	Nonquantitative Nonspecific

8.2 EXPOSURE CONTROLS:

Engineering Measures

Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred.

Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.

Skin Protection: Coveralls over long-sleeved shirt and long pants. Chemical-resistant gloves. Chemical-resistant apron. Chemical-resistant footwear and socks.

Respiratory Protection: Dependent on job function. If vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved air-purifying respirator with any cartridges/filters approved for pesticides. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection Standard. Wear a supplied air respirator if exposure concentrations are unknown.



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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE : Liquid
ODOR: Mild petroleum.
ODOR THRESHOLD: No data available.
COLOR: Amber.
pH: 4.9
MELTING POINT / FREEZING POINT: 43 °F / 6.1 °C.
BOILING POINT: > 35 °C.
FLASH POINT: 111 °F / 43.8 °C.
FLAMMABILITY (solid, gas): No data available.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available.
VAPOR PRESSURE: No data available.
SOLUBILITY: Emulsifies.
PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.
AUTO-IGNITION TEMPERATURE: No data available.
DECOMPOSITION TEMPERATURE: No data available.
VISCOSITY: (kinematic): No data available
SPECIFIC GRAVITY (Water = 1): 1.039 g/ml
DENSITY: 8.67 lbs/gal / 1.04 kg/L

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

10.1 REACTIVITY
Stable
10.2 CHEMICAL STABILITY
Stable under normal temperature conditions
10.3 POSSIBILITY OF HAZARDOUS REACTIONS
No data available. Will not polymerize.
10.4 CONDITIONS TO AVOID
Flame, heat, ignition sources.
10.5 INCOMPATIBLE MATERIALS
Strong oxidizing agents.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Oxides of carbon.

11 TOXICOLOGICAL INFORMATION

11.3 LIKELY ROUTES OF EXPOSURE

Dermal. Inhalation. Ingestion.

LC₅₀ (rat): 2.05 mg/L (4H)

LD₅₀ Oral (rat): 1,030 mg/kg.

LD₅₀ Dermal (rabbit): > 2,000 mg/kg

Acute Toxicity Estimates: No data available.

Eye Irritation (rabbit): Moderately irritating to the eyes.

Skin Irritation (rabbit): Maybe harmful if absorbed through the skin.

Inhalation: Harmful if inhaled.

Ingestion: Harmful if swallowed.

Specific Target Organ Toxicity: Kidney, Respiratory System, Eyes, Skin, Central Nervous System (CNS).

Aspiration: No data available.

Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenicity: Permethrin: IARC-3: Unclassifiable as to Carcinogenicity in Humans. Naphthalene: TLV-A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans; IARC-2B: Possibly Carcinogenic to Humans.

Germ Cell Mutagenicity: No data available.

Interactive Effects: None known.



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12 ECOLOGICAL INFORMATION

12.3 ECOTOXICITY

The pesticide is extremely toxic to fish and aquatic invertebrates. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Simazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Simazine has been found in ground water. Users are advised not to apply Simazine to sand or loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable; i.e., well-drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water

Ecotoxicological Data

	Species	Test Results
Permethrin	Rainbow trout	2.5 µ/L – 96-hour LC ₅₀
	Bluegill sunfish	1.8 µ/L – 96-hour LC ₅₀
	Daphnia magna	0.02 – 7.6 µ/L – 48-hour EC ₅₀

Drift or runoff may adversely affect non-target plants.
Do not apply directly to water.
Do not contaminate water when disposing of equipment wash water.
Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: Stable.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Low potential for accumulation.

12.4 MOBILITY IN SOIL

Moderate mobility.

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

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: Nonrefillable container. 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.
Returnable/Refillable Sealed Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase. Do not contaminate water, food or feed by storage or disposal.

14 TRANSPORT INFORMATION

14.3 LAND TRANSPORT

DOT Shipping Description: 119 GALLONS OR LESS: NOT REGULATED BY DOT.

DOT Shipping Description: GREATER THAN 119 GALLONS: UN1993, FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES), 3, III ERG GUIDE 128

U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120; CLASS: 60)



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15 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA		HMIS			
3	Health	0	Least	3	Health
2	Flammability	1	Slight	2	Flammability
1	Instability	2	Moderate	1	Reactivity
		3	High	H	PPE
		4	Severe		

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: Not listed.

SARA, Title III, Section 313: Permethrin (CAS: 52645-53-1) 36.8%

RCRA Waste Code: Not listed

CA Proposition 65: Not listed.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

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 surfaces until the spray has dried.
- Do not touch treated surfaces until the spray has dried.

16 OTHER INFORMATION

SDS STATUS: All sections revised.

PREPARED BY: Product Stewardship and Regulatory Affairs

REVIEWED BY: Safety, Health and Environment

EPA REG. NO.: 34704-963

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