

**IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273 or CHEMTREC 1-800-424-9300**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

- 1.1 **PRODUCT IDENTIFIER:**      **REGISTRATION NO. 32950 PEST CONTROL PRODUCTS ACT**  
**TRADE NAME:**                      COVER 2™ FUNGICIDE
- 1.2 **RECOMMENDED USE:**      FUNGICIDE
- 1.3 **MANUFACTURED FOR AND DISTRIBUTED BY:**  
 LOVELAND PRODUCTS CANADA, INC.  
 PO Box 5234 | 64137 Hwy 543 E • High River, Alberta T1V 1M4
- 1.4 **24 Hour Emergency Phone: (Chemtrec): 1-800-424-9300 (Toll Free) - Additional Emergency Phone 1-800-561-8273**  
**Loveland Technical Service: 1-800-328-4678**

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Acute Toxicity - Oral	Category 4	H302
Skin Sensitization	Category 1	H317

**2.2 Label elements**



Signal word:                      WARNING  
 Hazard Statement:              H302 – Harmful if swallowed.  
    H317 – May cause and allergic skin reaction.

Precautionary Statement: (Prevention):  
 P264 – Wash hands thoroughly after handling.  
 P270 – Do not eat, drink or smoke when using this product.  
 P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P262 – Contaminated work clothing should not be allowed out of the workplace.  
 P280 – Wear protective gloves.

Precautionary Statement: (Response):  
 P301+P312 – IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell.  
 P302+P352 – IF ON SKIN: Wash with plenty of soap and water.  
 P330 – Rinse mouth.  
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.  
 P363 – Wash contaminated clothing before reuse.

Precautionary Statement: (Disposal):  
 P501 – Dispose of contents/container in accordance with local, provincial and national regulations.

**2.3 Other hazards**  
 None known.



# SAFETY DATA SHEET

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## 3. COMPOSITION, INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Ethylene alcohol	107-21-1	10 – 30
Metalaxyl	57837-19-1	1 – 5
Ipcnazole	125225-28-7	1 – 5

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret. OSHA Hazard Communication 29 CFR 1910.1200

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

- Eye contact:** 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 centre or doctor for treatment advice.
- Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
- Inhalation:** 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 centre or doctor for treatment advice.
- Ingestion:** Call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Spray mist or vapours may be irritating to the eyes and respiratory tract.

### 4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically. Symptoms may be delayed.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273**

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**NOTES TO PHYSICIAN:** No specific antidote. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Carbon dioxide (CO<sub>2</sub>), foam, water fog, dry chemical, or other extinguishing media suitable for the fire.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: oxides of carbon, oxides of nitrogen and oxides of phosphorous.

### 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, eyes or clothing. Use personal protective equipment as required.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP**

Methods for Clean-Up: Prevent further leakage if safe to do so. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING:**

Advice on Safe Handling: Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray.

**7.2 CONDITIONS FOR SAFE STORAGE:**

Requirements for Storage Areas and Containers: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS:**

Not normally required.

**8.2 EXPOSURE CONTROLS:**

**Engineering Measures**

Avoid breathing mists, vapours, or aerosols. Provide adequate general and local exhaust ventilation. Provide eyewash station.

**OCCUPATIONAL EXPOSURE LIMITS**

Components	List	Type	Value
None listed			

**Individual Protection Measures:**

Eye / Face Protection: Tight sealing goggles.

Skin Protection: Wear impervious clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment. Wear respiratory protection during operations where spraying or misting occurs. Wear air supplied respiratory protection if exposure concentrations are unknown or if air-purifying respirators may not provide adequate protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 APPEARANCE :** Liquid  
**ODOUR:** No data available.  
**ODOUR THRESHOLD:** No data available.  
**COLOUR:** Red.  
**pH:** 5.5 – 7.5 (Neat)  
**MELTING POINT / FREEZING POINT:** No data available / Freezing Point: -10 °C.  
**BOILING POINT:** No data available.  
**FLASH POINT:** No data available.  
**FLAMMABILITY (solid, gas):** No data available.  
**UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:** No data available.  
**VAPOUR PRESSURE:** No data available  
**SOLUBILITY:** Soluble.  
**PARTITION CO-EFFICIENT, n-OCTANOL / WATER:** No data available  
**AUTO-IGNITION TEMPERATURE:** No data available.  
**DECOMPOSITION TEMPERATURE:** No data available.  
**VISCOSITY:** 30 – 100 mPa s.  
**SPECIFIC GRAVITY (Water = 1):** 1.062 g/ml  
**DENSITY:** 1.06 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**  
 No data available.

**10.2 CHEMICAL STABILITY**  
 Stable under normal conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**  
 None under normal processing.

**10.4 CONDITIONS TO AVOID**  
 Extremes of temperature and direct sunlight.

**10.5 INCOMPATIBLE MATERIALS**  
 None known based on information provided.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**  
 None known based on information provided.

**11. TOXICOLOGICAL INFORMATION**
**11.1 ACUTE TOXICITY OF THE FORMULATED PRODUCT:**

<u>Chemical Name</u>	<u>Oral LD<sub>50</sub></u>	<u>Dermal LD<sub>50</sub></u>	<u>Inhalation LC<sub>50</sub></u>
Ethylene alcohol	= 4700 mg/kg (Rat)	= 10600 mg/kg (Rat) = 9530 µ/kg (Rabbit)	
Metalaxyl	= 669 mg/kg (Rat) = 566 mg/kg (Rat)	>3100 mg/kg (Rat)	

Chemical Name	Skin corrosion/irritation	Eye damage/irritation	Respiratory sensitization	Skin sensitization
Metalaxyl 57837-19-1				Category 1

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.  
**IARC (International Agency for Research on Cancer)**  
*Not classifiable as a human carcinogen.*

**Reproductive toxicity** No information available.

**STOT – single exposure** No information available.

**STOT – repeated exposure** No information available.

**Chronic toxicity** Repeated exposure may cause allergic reactions in very susceptible persons. Avoid repeated exposure.



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**Target Organ Effects** Central nervous system, Eye damage/irritation, Respiratory system, Skin.  
**Aspiration hazard** No information available.

Information on likely routes of exposure

**Product Information** No data available.  
**Inhalation** No data available.  
**Eye contact** No data available.  
**Skin contact** No data available.  
**Ingestion** No data available.

**12. ECOLOGICAL INFORMATION**

**12.1 ECOTOXICITY**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethylene alcohol 107-21-1	EC <sub>50</sub> 6500 – 13000 mg/L 96 h Pseudokirchneriella subcapitata	LC <sub>50</sub> 41000 mg/L 96 h Oncorhynchus mykiss LC <sub>50</sub> 14 – 18 ml/L 96 h Oncorhynchus mykiss LC <sub>50</sub> 27450 mg/L 96 h Lepomis macrochirus LC <sub>50</sub> 40000 – 60000 mg/L 96 h Pimphelas promelas LC <sub>50</sub> 16000 mg/L 96 h Poecilia reticulata	EC <sub>50</sub> 46300 mg/L 48 h Daphnia magna
Metalaxyl 57837-19-1		LC <sub>50</sub> 13.6 – 30.8 mg/L 96 h Oncorhynchus mykiss LC <sub>50</sub> 23 - 30 mg/L 96 h Lepomis macrochirus LC <sub>50</sub> 100 mg/L 96 h Cyprinus carpio LC <sub>50</sub> 100 mg/L 96 h Poecilia reticulata	

**12.2 PERSISTENCE AND DEGRADABILITY**

Biodegradability: No information available.

**12.3 BIOACCUMULATIVE POTENTIAL**

Bioaccumulation: No information available.

**12.4 MOBILITY IN SOIL**

No information available.

**12.5 OTHER ADVERSE EFFECTS**

Assessment: No information available.

**13. DISPOSAL CONSIDERATIONS**

**13.1 WASTE TREATMENT METHODS**

Do not reuse containers for any purpose. Container is recyclable, and is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Triple or pressure-rinse the empty container, adding the rinsate to the spray tank. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food or feed by storage or disposal.



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## 14. TRANSPORT INFORMATION

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### 14.1 LAND TRANSPORT

TDG Shipping Description: NOT REGULATED

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## 15. REGULATORY INFORMATION

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### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

**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
X	PPE

**WHMIS Classification:** D2B: Toxic Material Causing Other Toxic Effects.

This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and SDS requirements. Please read entire SDS and product label for safety precautions.

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## 16. OTHER INFORMATION

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**SDS STATUS:** Various sections revised.

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental Health and Safety

*PCP (Pest Control Products Act) Registration No. 32950*

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