



SAFETY DATA SHEET

SDS NUMBER: 19146-19-LPI

SDS REVISIONS: FORMAT

COPPER SPRAY FUNGICIDE PCP 19146

DATE OF ISSUE: 03/20/19

SUPERSEDES: 09/12/15

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT 1-800-561-8273 or
CHEMTREC – DAY OR NIGHT 1 800-424-9300**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME: COPPER SPRAY FUNGICIDE

1.2 RECOMMENDED USE: GROUP M FUNGICIDE

1.3 DISTRIBUTED BY:

LOVELAND PRODUCTS CANADA, INC.
789 DONNYBROOK DRIVE • DORCHESTER, ONTARIO N0L 1G5

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

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

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not considered hazardous.

2.2 Label elements

None

Signal word: NONE REQUIRED

Hazard Statement: Not required.

Precautionary Statement: (Prevention): Not required.

Precautionary Statement: (Response): Not required.

Precautionary Statement: (Storage): Not required.

Precautionary Statement: (Disposal): Not required.

2.3 Other hazards

None known.



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3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Copper Oxychloride [Metallic Copper equivalent]	1332-40-7	50.00
Other ingredients		50.00

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 centre 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 centre or doctor for further treatment advice.
- If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control centre 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 centre or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: May irritate eyes.

4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically.
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: Elevated urinary copper is an indication of excess copper exposure. If swallowed, perform gastric lavage with water or 0.1% solution of potassium ferrocyanide. Mucosal damage may contraindicate gastric lavage. Many copper salts by skin contact cause itching, eczema and rarely, sensitization reactions.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Foam, carbon dioxide (CO₂), dry chemical, soft stream or water fog only if necessary.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: Thermal decomposition will release hydrogen chloride, oxides of hydrogen, oxides of copper, and other toxic and/or hazardous gases.

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.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid inhalation of vapours and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

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 highwater mark except as noted on appropriate labels. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Avoid breathing dusts. Sweep up spills and transfer to approved chemical containers for disposal or rework. Keep dusting to a minimum. Check local or provincial regulations for proper disposal. Remove residual contamination.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe 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.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in the original container in a dry, cool, well-ventilated place. Keep the container tightly closed. Keep away from food, drink and animal feed. When opening, closing or handling open packages, wear goggles to prevent getting dust in eyes. After partial use, fold and roll back bags, clamp and close tightly. Do not contaminate water, food or feed by storage or disposal.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS: OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (ACGIH) TLVs

Components	Type	Value
Copper*	TWA	1 mg/m ³

U.S. Workplace Exposure Level (OSHA) PELs

Components	Type	Value
No listings	TWA	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Specimen
No listings		

8.2 EXPOSURE CONTROLS:

Engineering Measures

Use only outdoors or in a well-ventilated area.

Individual Protection Measures:

- Eye / Face Protection: Goggles or shielded safety glasses are recommended.
- Skin Protection: Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves. Rinse gloves before removal.
- Respiratory Protection: Not normally required. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 APPEARANCE: Micro granular solid
- ODOUR: Odourless
- ODOUR THRESHOLD: No data available.
- COLOUR: Pale green.
- pH: No data available.
- MELTING POINT / FREEZING POINT: No data available
- BOILING POINT: Decomposes at 220 °C (428 °F)
- 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: Insoluble.
- PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.
- AUTO-IGNITION TEMPERATURE: No data available.
- DECOMPOSITION TEMPERATURE: No data available.
- VISCOSITY: No data available.
- SPECIFIC GRAVITY (Water = 1): 0.59 – 0.66 g/ml
- DENSITY: 590 - 660 kg/m³

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.



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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

Temperatures above 51 °C (125 °F). Avoid exposure to high moisture conditions for prolonged periods.

10.5 INCOMPATIBLE MATERIALS

Ammonia or acid vapours. Strong acids. Copper is corrosive to aluminum and iron, especially when in aqueous forms and at elevated temperatures.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition will release Hydrogen chloride, oxides of Hydrogen, and oxides of Copper, and other toxic and/or hazardous gases.

11 TOXICOLOGICAL INFORMATION

11.3 LIKELY ROUTES OF EXPOSURE

Inhalation. Eye contact. Skin absorption. Skin contact.

LC₅₀ (rat): > 4000 mg/m³ (4 HR)

LD₅₀ Oral (rat): 1600 mg/kg

LD₅₀ Dermal (rabbit): >2,000 mg/kg

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): Mild irritation.

Eye Irritation (rabbit): Causes moderate eye irritation.

Specific Target Organ Toxicity: No data available.

Aspiration: No data available.

Skin Sensitization (guinea pig): No data available.

Carcinogenicity: No data available.

Germ Cell Mutagenicity: No data available.

Interactive Effects: None known

12 ECOLOGICAL INFORMATION

12.3 ECOTOXICITY

The product is toxic to fish and aquatic invertebrates.

Ecotoxicological Data

Species	Test Results
	No data available

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 favour drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Does not occur.

12.4 MOBILITY IN SOIL

No data available.

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Before taking the container to the collection site: Triple-or pressure-rinse the empty container. Dispose of rinsate in accordance with provincial requirements. Make the rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14 TRANSPORT INFORMATION

14.3 LAND TRANSPORT

TDG Shipping Description: NOT REGULATED

15 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

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

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: Copper (CAS No. 7440-50-8) 5000 pounds.
 SARA, Title III, Section 313: Copper (CAS No. 7440-50-8) 50% equivalent by weight in product.
 RCRA Waste Code: Not listed
 CA Proposition 65: Not applicable.
 WHMIS [Canada]: Pest control products are not controlled under WHMIS. Classified D2B

Read the approved label, authorized under the Pest Control Products Act, prior to handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labeling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control product label.



WARNING

POISON

16 OTHER INFORMATION

SDS STATUS: Format revised.

PREPARED BY: Product Stewardship and Regulatory Affairs

REVIEWED BY: Safety, Health and Environment

Pest Control Products Act REG. NO.: 19146

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