

# SAFETY DATA SHEET

Product Name: *Lawnpro Fungus Control*

Print/View Date: 1/07/2024

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>LawnPro Fungus Control</b>
Recommended uses:	Fungicide
Restrictions on Use/Supply:	Do not apply into or onto water
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	<a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>
Website:	<a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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## 2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Acute Tox.4 (Oral)	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 P264 P270	P101 P301+P312 P330	No storage statements	P501
Acute Tox.4 (Inhalation)	Not applicable for the UN RTDG Model Regulations		Warning	H332	P102 P103 P261 P271	P101 P304+P340 P312	No storage statements	P501
Eye Irrit.2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
Skin Sens.1	Not applicable for the UN RTDG Model Regulations		Warning	H317	P103 P261 P272 P280	P302+P352 P333+P313 P321 P363	No storage statements	P501
Repr.2	Not applicable for the UN RTDG Model Regulations		Warning	H361	P103 P201 P202 P281	P308+P313	No storage statements	P501
STOT RE.2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
Aquatic Acute 1			Warning	H400	P103 P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 P273	P391	No storage statements	P501

Signal word:

WARNING

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Dangerous Goods: Dangerous Goods (Class 9)

Packaging Group: III

Hazardous Substance (GHS) Codes: Acute Toxicity Cat. 4 (Oral)  
Acute Toxicity Cat. 4 (Inhalation)  
Eye Irritation Cat. 2  
Skin Sensitisation Cat. 1  
Reproductive Toxicity Cat. 2  
Specific Target Organ Toxicity – Repeated Exposure Cat. 2  
Aquatic Acute Cat. 1  
Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement: H302: Harmful if swallowed.  
H332: Harmful if inhaled.  
H319: Causes serious eye irritation.  
H361: Suspected of damaging fertility or the unborn child.  
H373: May cause damage to organs through repeated or prolonged exposure.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
Hazardous to terrestrial vertebrates.

Precautionary Statements: P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P260: Do not breathe mist/spray.

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P264: Wash thoroughly after handling

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the aquatic environment.

P280: Wear protective gloves/protective clothing /eye protection/face protection.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTER or doctor/ physician if you feel unwell.

P305+P351+P338: : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation occurs: Get medical advice/ attention.

P321: For specific treatment refer to the product label

P363: Wash contaminated clothing before reuse.

P308+P313:

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Homogenous liquid

### Ingredients

Ingredients	CAS #	Content %
Thiram	137-26-8	≤400g/L
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

## 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, Call a POISON CENTER or doctor/ physician (show the label where possible).

Ingestion: Harmful if swallowed. Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: Can cause eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Skin Contact: Can cause skin sensitisation. Wash with plenty of soap and water. If skin irritation persists, seek medical advice and have the product label at hand.

Inhalation: Harmful if inhaled. Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing problems persists, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Advice for Medical Doctors: Treat symptomatically

## 5. FIRE FIGHTING MEASURES

HAZCHEM code: 2X

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Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	No information available on the product.

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Environmentally hazardous substance. Contain spill and collect.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.  Collect in an appropriate sealable container for disposal.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist/spray. When handling product in bulk, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Clean equipment after use. Do not contaminate drains, sewers or waterways. Wash contaminated clothing before reuse. Use on outside or in well-ventilated area.
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Conditions for safe Storage including incompatibilities: Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.

Minimum shelf life: 2 years.

Protection against fire and explosion: Keep away from heat sources although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure April 2022, Edition 13)

Engineering Controls: No special requirements when used as recommended.

Hand protection: If repeated or prolonged contact wear chemical resistant gloves.

Eye protection: If there is significant potential for contact, wear dust goggles.

Body protection: Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection: No special requirement when used as recommended.

General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes and clothing.

Environmental Exposure Controls: Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation.

### Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Thiram	[137-26-8]		1		

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Homogenous liquid
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	6.5-8.5
Melting/freezing point:	No data
Boiling point (range):	No data
Flash Point:	No data available
Flammability:	Not applicable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.12-1.13 g/ml @20°C
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	None known
Corrosive Properties:	Not corrosive to metals.

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Thermal Decomposition: Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Class: Acute Tox.4 (O,I), Eye Irrit.2, Sin Sens.1, Repr.2, STOT RE.2

Acute Toxicity: No data for the mixture  
Thiram  
Acute oral LD<sub>50</sub> >1800 mg/kg (rat).  
Acute dermal LD<sub>50</sub> = 2000 mg/kg (rat)

Aspiration hazard: Can cause irritation on inhalation of mist, gas, or vapour

Skin corrosion/irritation: Unlikely to cause skin corrosion/irritation.

Serious eye damage/irritation: Can cause serious eye irritation

Respiratory or skin sensitisation: Can cause skin sensitisation

Germ cell mutagenicity: No data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific organ toxicity – single exposure: No data

Specific organ toxicity – repeated exposure: Cardiovascular system

Narcotic effects: No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

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## 12. ECOTOXICITY INFORMATION

Ecological information of substance: Very toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging.

Thiram

Rainbow trout, LC<sub>50</sub> (96 hr) = 0.171 mg/L

Bioaccumulation: No data

Soil Toxicity: No data

## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation: Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.

Container Disposal: Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations.

DO NOT reuse containers. Do NOT burn.

Methods of disposal to avoid Do not empty down stormwater system.

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number: 3082

Dangerous Goods Class: DG Class 9

Hazchem Code: 2X

Packaging Group: III

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S

Segregation: Not applicable

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## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000475
GHS Classifications:	Acute Tox.4 (O,I), Eye Irrit.2, Sin Sens.1, Repr.2, STOT RE.2, Aquatic Acute 1, Aquatic Chronic 1
HSNO Controls:	Refer to HSR000475
Additional Controls:	Stores containing more than 100L should have signage, secondary containment and emergency response plan.

## 16. OTHER INFORMATION

SDS date of preparation: 01 / 07 / 2024

SDS date of revision: 01 / 07 / 2029

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, [www.kiwicare.co.nz](http://www.kiwicare.co.nz), or contact the supplier of the starting material.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

### Abbreviations:

ADR:	European agreement concerning the international carriage of Dangerous goods by Road
CLP:	Classification Labelling and Packaging
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System

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H Phrase: Hazard Phrase  
HSNO: Hazardous Substances and New Organisms (1996) Act  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Dangerous Goods  
P Phrase: Precautionary Phrase  
RID: Regulations concerning the International carriage of Dangerous good by rail  
STEL: Short-Term Exposure Limit  
TLV: Threshold Limit Value  
TWA: Time Weighted Average

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