

SAFETY DATA SHEET

Product Name: LawnPro Lawnguard

Issue Date: 19/06/2018

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	LawnPro Lawnguard
Synonyms:	None
Molecular Formula:	Granular 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:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	Class 9, signal word = warning
Packaging Group:	III
Hazardous Substance (HSNO) Codes:	6.3B (Mild skin irritation); 9.1A (Very ecotoxic to the aquatic environment); 9.3C (Harmful to terrestrial vertebrates); 9.4B (Ecotoxic to terrestrial invertebrates).

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2. HAZARDS IDENTIFICATION

Hazard Statements:	<p>H316: Causes mild skin irritant.</p> <p>H400/410: Very toxic to aquatic environment.</p> <p>H433: Harmful to terrestrial vertebrates.</p> <p>H442: Toxic to terrestrial invertebrates.</p>
Precautionary Statements:	<p>P101: If medical advice is needed, have product container or label at hand.</p> <p>P102: Keep out of reach of children.</p> <p>P103: Read label before use.</p> <p>P273: Avoid release to the environment.</p> <p>P391: Collect spillage.</p> <p>P332+P313: If skin irritation occurs: Get medical advice/ attention.</p> <p>P501: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.</p>

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
9.1A			Warning	H400/H410 ^m	P103 ^b P273	P391	No storage statements	P501
6.3B	Not applicable for the UN RTDG Model Regulations	No pictogram	Warning	H316	P103 ^b	P332 + P313	No storage statements	P501


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9.3C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H433	P103 ^b P273	No response statements	No storage statements	P501
9.4B	Not applicable for the UN RTDG Model Regulations		No Signal Word	H442	P103 ^b P273	P391	No storage statements	P501

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Granular mixture insecticide

Appearance: Pale green granule

Ingredients

Active ingredients	CAS #	Content % w/w or w/v
Thiamethoxam	153719-23-4	0.21 %
Lambda-Cyhalothrin	91465-08-6	0.043 %

4. FIRST AID MEASURES

Ingestion: If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. Obtain medical advice immediately.

Eye Contact: Unlikely to cause eye irritation. Check for and remove any contact lenses if easy to do so. Do not use an eye ointment. Flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.

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4. FIRST AID MEASURES

Skin Contact:	May cause mild skin irritation. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation persists seek medical advice.
Inhalation:	Unlikely to cause irritation of upper respiratory tract. If ill effects persist seek immediate medical attention.
Notes to Physician:	None allocated.

5. FIRE FIGHTING MEASURES

Specific Hazards:	Clear fire area of all non-emergency personnel.
Suitable Extinguishing Media:	Water spray, foam, CO2, dry chemical or any class B extinguishing agent.
Fire Fighting Advice:	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up:

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6. ACCIDENTAL RELEASE MEASURES

Minor Spills (Up to 20 Kg):

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.

Major Spills (more than 20 Kg):

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.

Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

7. HANDLING AND STORAGE

Handling:

Rinse out empty containers and do not use for any other purpose.

Storage:

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. Keep container sealed when not in use.

All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th edition)
Engineering Controls:	Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
Body protection:	Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

A Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Pale green granule
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Solubility:	Forms a suspension
Specific Gravity:	None allocated
Flash Point:	>93 °C
Explosion Hazard:	Not Explosive
Oxidising Agents:	Not an oxidant
Engineering Controls:	See section 8.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use
Incompatibility:	Avoid mixing with strong acid or base.
Corrosive Properties:	Not corrosive.
Thermal Decomposition:	Hazardous gases maybe formed when overheated

11. TOXICOLOGICAL INFORMATION

Ingredient:

L-Cyhalothrin (91465-08-6): 6.1A(inhale), 6.1B(oral), 6.1C(dermal); 6.3B; 6.4A; 6.9A; 9.1A; 9.3A; 9.4A.

Substance:

Ingestion:	Acute LD ₅₀ oral rat > 5000 mg/kg (mixture rule)
Eye Contact:	Unlikely to cause eye irritation
Skin Contact:	Acute LD ₅₀ dermal rat > 5000 ppm (mixture rule)
Inhalation:	Unlikely to be irritant to the respiratory tract
Long Term Effects:	No chronic effect
Acute Toxicity:	Acute LD ₅₀ oral rat > 5000 mg/kg

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11. TOXICOLOGICAL INFORMATION

Chronic Toxicity: No chronic effect

12. ECOTOXICITY INFORMATION

Environmental Effects: 9.1A Very eco-toxic to the aquatic environment; L(E)C₅₀ ≤ 1 ppm.
 9.3C Harmful to terrestrial vertebrates;
 9.4B toxic to terrestrial vertebrates.
 Avoid contaminating waterways and fishponds. Do not allow spray to drift onto aquatic environments, other crops or desirable plants or outside the target area. Keep children, pets, terrestrial vertebrates and any non-target terrestrial invertebrates like bees off treated areas until the spray is dry. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Rapid degrade & Bioaccumulative: The active ingredient L-Cyhalothrin is Bioaccumulative.

Soil Toxicity: No soil toxicity.

13. DISPOSAL CONSIDERATIONS

Product Disposal: Wear protective clothing. Clear area of unprotected personnel. Contain spill and sweep up/collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.

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13. DISPOSAL CONSIDERATIONS

Container Disposal: Rinse out empty containers prior disposal. Do not re-use empty container for any other purpose

All aspects of disposal, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

14. TRANSPORT INFORMATION

Road, Rail, Marine and Air

UN Number: 3077

Dangerous Goods Class: Class 9

Hazchem Code: 2Z

Packaging Group: III

Proper Shipping Name: 3077 Environmentally hazardous substance, solid, n.o.s.

Segregation: NA

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: *HSR101021*

HSNO Classifications: 6.3B, 9.1A, 9.3C, 9.4B.

HSNO Controls: See *HSR101021* - www.epa.govt.nz

HSNO Approved codes of Practice: See *HSR101021* - www.epa.govt.nz

16. OTHER INFORMATION

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16. OTHER INFORMATION

SDS date of preparation:	06 / 07 / 2017
SDS date of revision:	06 / 07 / 2022
Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

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16. OTHER INFORMATION

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, or contact the supplier.

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

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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