

# SAFETY DATA SHEET

Product Name: LawnPro Protect

Print/View Date: 5/06/2025

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## 1. PRODUCT AND COMPANY INFORMATION

|                               |  |
|-------------------------------|--|
| <b>Chemical/Product Name:</b> | <b>LawnPro Protect</b>                                       |
| Recommended uses:             | Insecticide  |
| Restrictions on Use/Supply:   | See section 8, Additional NZ EPA Controls.                   |
| 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 |
| Aquatic Acute 1           |  |               | Warning     | H400                  | P103<br>P273                  | P391     | No storage statement | P501     |
| Aquatic Chronic 1         |  |               | Warning     | H410                  | P103<br>P273                  | P391     | No storage statement | P501     |

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

Hazardous to terrestrial invertebrates

Pictograms:



Hazard Statement:

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

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.

P273: Avoid release to the environment.

P391: Collect spillage.

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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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Blue granules

### Ingredients

| Ingredients                             | CAS #        | Content % |
|---|--------------|-----------|
| Lambda-Cyhalothrin                      | 91465-08-6   | 0.045     |
| Quartz Sand                             | 14808-60-7   | >99       |
| Non specified non-hazardous ingredients | NA (Mixture) | to 100 %  |

## 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: Rinse mouth and drink one to two glasses of milk or water. Do NOT induce vomiting. If you are feeling unwell seek medical advice and have product label at hand.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, seek medical advice and have product label at hand.

Skin Contact: Unlikely to cause skin irritation. Wash with soap and water. If skin irritation or rash occurs seek medical advice and have the product label at hand.

Inhalation: Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766 and have product label at hand.

Advice for Medical Doctors: Treat symptomatically

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## 5. FIRE FIGHTING MEASURES

|                                   |  |
|-----------------------------------|--|
| HAZCHEM code:                     | 2X   |
| Specific Hazards:                 | Minimise the use of water to prevent environmental contamination.  |
| Suitable Extinguishing Media:     | Appropriate fire extinguishers are Water, CO <sub>2</sub> , Powder, or Alcohol resistant foam. 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: | Lambda-Cyhalothrin: Toxic fumes may be emitted if heated to decomposition, including carbon oxides (CO <sub>x</sub> ), nitrogen oxides (NO <sub>x</sub> ), fluorine compounds, and hydrogen chloride (HCl).  |

## 6. ACCIDENTAL RELEASE MEASURES

|                                 |  |
|---------------------------------|--|
| Environmental precautions:      | Prevent leakage or spillage if safe to do so.  |
| Minor Spills (Up to 20 kg):     | Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.<br>Collect granules in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.   |
| 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.<br>Collect granules in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation. |

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## 7. HANDLING AND STORAGE

|  |  |
|--|--|
| Precautions for safe handling:                           | Avoid inhaling dust. 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. |
| 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.<br><br>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:                      | No special requirements when used as recommended.   |
| 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. |

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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> |
| Silica-Crystalline (all forms) |       |     | 0.05              |      |                   |

## Additional NZ EPA controls:

| Code   | Section of HSNO Act | Control  |
|--|---------------------|--|
| Active ingredient or component specification | 77A                 | The following minimum purity level applies to the active ingredient of this substance: Lambda-cyhalothrin: minimum purity 810 mg/kg. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |               |
|-------------------------|---------------|
| Appearance:             | Blue granules |
| Odour:                  | No data       |
| Odour Threshold:        | No data       |
| pH Value:               | No data       |
| Melting/freezing point: | No data       |
| Boiling point (range):  | No data       |
| Flash Point:            | >93°C         |
| Flammability:           | No data       |
| Explosive limits:       | No data       |
| Vapour pressure:        | No data       |
| Vapour density:         | No data       |

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|                            |           |
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| Relative density:          | No data   |
| Solubility:                | Insoluble |
| 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 avoided: | Avoid mixing with strong acid or base. Avoid excessive heating.    |
| Corrosive Properties:                        | Not corrosive to metals.   |
| Thermal Decomposition:                       | Hazardous products of combustion; see section 5 for details.       |

## 11. TOXICOLOGICAL INFORMATION

|                            |   |
|----------------------------|---|
| Hazard Class:              | Aquatic Acute Cat. 1<br>Aquatic Chronic Cat. 1<br>Hazardous to terrestrial invertebrates  |
| Acute Toxicity:            | No data for mixture.<br>Lambda-cyhalothrin:<br>Acute oral LD <sub>50</sub> = 56 mg/kg (rat).<br>Acute dermal LD <sub>50</sub> = 632 mg/kg (rat) |
| Aspiration hazard:         | May cause irritation on inhalation of dust.   |
| Skin corrosion/irritation: | Unlikely to cause skin irritation.  |

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|  |  |
|--|--|
| Serious eye damage/irritation:               | Unlikely to cause eye irritation   |
| Respiratory or skin sensitisation:           | Unlikely to cause an allergic skin reaction.   |
| 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:                       | This product is not expected to cause reproductive or developmental effects.   |
| Specific organ toxicity – single exposure:   | Not applicable   |
| Specific organ toxicity – repeated exposure: | Not applicable   |
| Narcotic effects:                            | No data available.   |

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

## 12. ECOTOXICITY INFORMATION

|                                      |   |
|--------------------------------------|---|
| Ecological information of substance: | Very Toxic to aquatic life. Harmful to terrestrial invertebrates. Do not contaminate waterways, sewers, or drains when using product or packaging. No data for mixture<br>No data for mixture.<br>Lambda-cyhalothrin:<br>Rainbow trout, LC <sub>50</sub> (96 hr) = 0.2 µg/L<br>Water flea, EC <sub>50</sub> (48 hr) = 0.23 µg/L |
| Bioaccumulation:                     | Mixture not likely to bioaccumulate.  |
| Soil Toxicity:                       | No soil toxicity.   |

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

|                        |   |
|------------------------|---|
| UN Number:             | 3077  |
| Dangerous Goods Class: | Class 9   |
| Hazchem Code:          | 2X  |
| Packaging Group:       | III   |
| Proper Shipping Name:  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE.<br>SOLID, N.O.S. (Contains Lambda-Cyhalothrin) |
| Segregation:           | Not applicable  |

## 15. N.Z. REGULATORY INFORMATION

|                      |  |
|----------------------|--|
| EPA HSNO Number:     | HSR101291  |
| GHS Classifications: | Aquatic Acute Cat. 1<br>Aquatic Chronic Cat. 1<br>Hazardous to terrestrial invertebrates |
| HSNO Controls:       | Refer to HSR101291   |
| ACVM Approval Code:  | Not applicable   |
| Additional Controls: | None   |

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## 16. OTHER INFORMATION

SDS date of preparation: 21 / 07 / 2025

SDS date of revision: 21 / 07 / 2030

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  |
| 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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