

SAFETY DATA SHEET

KIWICARE®

Product Name: *LawnPro Prickle and Hydrocotyle Concentrate*

Print/View Date: 3/10/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	LawnPro Prickle and Hydrocotyle Concentrate
Recommended uses:	Herbicide
Restrictions on Use/Supply:	Refer to additional controls
Molecular Formula:	Mixture (Concentrate)
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)

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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	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
STOT Rep. Exp. 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P280	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

Dangerous Goods: Dangerous Goods (Class 9)

Packaging Group: III

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

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Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement:

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H373: May cause damage to kidney through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

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

Hazardous to soil organisms.

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.

P261: Do not breathe mist or spray.

P264: Wash hands and face thoroughly after handling.

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

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

P273: Avoid release to the environment.

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

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

P321: For specific treatment refer to the first aid section.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

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

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

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

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

P305+P331+P358: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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: Amber transparent liquid

Ingredients

Ingredients	CAS #	Content %
Triclopyr butoxy ethyl ester	64700-56-7	<25%
Ethylene glycol butyl ether	111-76-2	<3%
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, or call a POISON CENTRE on 0800 764 766 (show the label where possible).

Ingestion: Harmful if swallowed. If ingested and feeling unwell, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

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Eye Contact:	Can cause serious 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, and have product label at hand.
Skin Contact:	Can cause an allergic skin reaction. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek medical advice.
Inhalation:	Unlikely to cause an inhalation hazard. If breathing problems develop, seek medical advice, and have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
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 data for the mixture Diethylene glycol emits acrid smoke and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Very toxic to aquatic life with long lasting effects. Wear protective clothing. Clear area of unprotected

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	personnel. Contain spill and absorb with Sand, Soil, or absorbent granules.
Major Spills (more than 20 kg):	Minimise spread. 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. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Do not breathe 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.
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. 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:	No exposure standards apply for this product.
Engineering Controls:	No special requirement when used as recommended.
Hand protection:	Wear chemical resistant gloves.
Eye protection:	Wear safety goggles or full-face shield.

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Body protection:	Wear disposable overalls or long-sleeved tops, long trousers, and closed work shoes.
Respiratory Protection:	Wear breathing apparatus (respirator/disposable masks) to avoid inhaling mist/ spray.
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. Wash contaminated clothing before reuse. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment.

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Compost-restriction on use of material treated with this substance in compost	77A	Clippings of plant material treated with this substance must not be used for compost or mulch for six months after treatment.
Label – additional labelling requirement	77A	The green waste clippings and use restrictions must be stated on the product label.
Use restriction	77A	This substance must only be used on small scale amenity turf that will not be made available for collection or deposit at a municipal green waste recycling depot. This substance must only be used as a spot or low volume treatment. Plant material that has been treated with this substance must not be used to make mushroom substrate for six months after treatment. This substance must not be mixed with other persistent herbicides.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber transparent liquid
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	7.5-8.5

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Melting/freezing point:	No data (Diethylene glycol butyl ether: -74.8°C)
Boiling point (range):	No data (Diethylene glycol butyl ether: 168.4°C)
Flash Point:	>93 °C
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data (Diethylene glycol butyl ether: 0.88mmHg)
Vapour density:	No data
Relative density:	1.06 - 1.08
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
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:	None
Corrosive Properties:	Not corrosive to metals.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

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Hazard Class:	Acute Tox. 4 (O); Eye Irrit. 2; Skin Sens. 1; STOT Rep. Exp. 2
Acute Toxicity:	Triclopyr butoxy ethyl ester Acute oral LD ₅₀ = 500 mg/kg (rat). Acute dermal LD ₅₀ = 5000 mg/kg (rat) Acute inhalation LC ₅₀ >4.8 mg/L (rat) Ethylene glycol butyl ether Acute oral LD ₅₀ = 1480 mg/kg (rat). Acute dermal LD ₅₀ = 2000 mg/kg (rat) Acute inhalation LC ₅₀ = 2.21 mg/L (rat)
Aspiration hazard	Unlikely to cause an aspiration hazard
Skin corrosion/irritation:	Unlikely to cause skin corrosion/irritation.
Serious eye damage/irritation:	May cause serious eye irritation
Respiratory or skin sensitisation:	May 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:	No data available
Specific organ toxicity – repeated exposure:	Kidney
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. Triclopyr butoxy ethyl ester Rainbow trout, LC ₅₀ (96 hr) 1.3 mg/L Water flea, EC ₅₀ (48 hr) 2.9 mg/L Ethylene glycol butyl ether Rainbow trout, LC ₅₀ (96 hr) 524 mg/L Water flea, EC ₅₀ (48 hr) 1815 mg/L
Bioaccumulation:	This product is likely to Bioaccumulate
Soil Toxicity:	Hazardous to soil organisms.

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:	Class 9
Hazchem Code:	3Z

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Packaging Group: III

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

Segregation: Food and Feed

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR101243

GHS Classifications: Acute Tox. 4 (O); Eye Irrit. 2; Skin Sens. 1; STOT RE. 2; Aquatic Acute 1; Aquatic Chronic 1

HSNO Controls: Refer to HSR101243

Additional Controls: Stores containing more than 100 litres should have signage, secondary containment and an emergency response plans.

16. OTHER INFORMATION

SDS date of preparation: 22 / 09 / 2022

SDS date of revision: 22 / 09 / 2027

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 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

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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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