

SAFETY DATA SHEET

KIWICARE®

Product Name: *LawnPro All -in -1*

Print/View Date: 11/03/2024

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	LawnPro All-in-one
Recommended uses:	Granular herbicide to control broadleaf weeds and moss
Restrictions on Use/Supply:	This substance should only be applied using ground-based application methods.
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)

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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
Skin Irrit. 2	Not applicable under the UN RTDG Model Regulations		Warning	H315	P103 P264 P280	P302+P352 P321 P332+P313 P362	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
Aquatic Chronic 3	Not applicable for the Un RTDG Model Regulations	No pictogram	No signal word	H412	P103 P273	No response statements	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Not a Dangerous Goods

Packaging Group:

Not applicable: Packaging must comply with Part B, clause 8 – Hazardous Substances (Packaging) Notice 2017.

Hazardous Substance (GHS) Codes:

Acute Toxicity - Oral Cat. 4
Skin Irritant Cat. 2
Eye Irritant Cat. 2
Skin Sensitisation Cat. 1
Aquatic Chronic Cat.3

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Pictograms:



Hazard Statement:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

Hazardous to soil organisms.

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.

P261: Avoid breathing dust

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/eye protection/face protection.

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

P330: Rinse mouth.

P362: Take off contaminated clothing and wash before reuse.

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.

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

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

P305+P351+P338: IF IN EYES: Rinse cautiously 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: Brown granules

Ingredients

Ingredients	CAS #	Content %
2,4-D (amine salt)	94-75-7	<0.3%
MCPA (amine salt)	94-74-6	<0.3%
Dicamba (amine salt)	1918-00-9	<0.1%
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 CENTER on 0800 764 766 (show the label where possible).

Ingestion: Rinse mouth. If you are feeling unwell 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 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

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764 766. If medical advice is needed have product label at hand.

Skin Contact:

Can cause skin irritation or an allergic skin reaction. Wash with plenty of soap and water. If skin irritation persists, or rash occurs seek medical advice.

Inhalation:

Unlikely to present 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:

Not applicable

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

2,4D emits toxic fumes of chlorides.

Dicamba produces toxic and corrosive fumes including hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:

Prevent leakage or spillage if safe to do so.

Minor Spills (Up to 20 kg):

Low environmental hazard. 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

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sewer. If spill does enter waterway contact local authority.

Collect in an appropriate sealable container for disposal in an approved landfill.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. 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. 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, (Edition 13, 2022))
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	Wear chemical resistant gloves to avoid skin irritation
Eye protection:	Wear safety goggles to prevent irritation from dust.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	No special requirement when used as recommended.

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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. Contaminated clothing should not be allowed of workplace.

Environmental Exposure Controls:

Minimise release to the environment.

Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
2,4-D	[94-75-7]		10		

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Active ingredient or component specification	77A	The following limits are set for toxicologically relevant impurities in the active ingredient 2,4-D used to manufacture this substance: · dioxin TEQ: 0.1 ppb maximum · 2,3,7,8-tetrachlorodibenzo-para-dioxin (2,3,7,8-TCDD) congener (undetectable at a detection limit of 0.01 ppb or lower) · free phenol (calculated as 2, 4-dichlorophenol) 3 g/kg maximum The following limits are set for toxicologically relevant impurities in the active ingredient MCPA dimethylammonium used to manufacture this substance: free phenol (expressed as 4-chloro-2-methylphenol): 10 g/kg maximum
Application method restriction	77A	This substance must be applied using ground-based methods only.
Label – additional labelling requirement	77A	The following words or word to their effect, must be present on the label: This substance must be applied using ground-based methods only; and The granules must be watered in to minimise accessibility of the granules after application.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown granules

Odour: No odour

Odour Threshold: Not applicable

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pH Value:	Not applicable
Melting/freezing point:	Not applicable
Boiling point (range):	Not applicable
Flash Point:	Will not flash
Flammability:	Not applicable
Explosive limits:	Not explosive
Vapour pressure:	No data
Vapour density:	No data
Relative density:	No data
Solubility:	Partially soluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	None
Corrosive Properties:	Not corrosive to metals.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

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11. TOXICOLOGICAL INFORMATION

Hazard Class:	Acute Tox.4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 2
Acute Toxicity:	2,4-D Acute oral LD ₅₀ > 300 mg/kg (rat). Acute dermal LD ₅₀ = 2000 mg/kg (rat) MCPA Acute oral LD ₅₀ = 431 mg/kg (rat). Acute dermal LD ₅₀ = 2000 mg/kg (rat) Dicamba Acute oral LD ₅₀ = 1465 mg/kg (rat). Acute dermal LD ₅₀ = 2000 mg/kg (rat)
Aspiration hazard	Unlikely to be an aspiration hazard
Skin corrosion/irritation:	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Serious eye damage/irritation:	Can cause serious eye irritation
Respiratory or skin sensitisation:	Can 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

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12. ECOTOXICITY INFORMATION

Ecological information of substance:	Harmful to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging. 2,4-D Rainbow trout, LC ₅₀ (96 hr) = 100 mg/L Water flea, EC50 (48 hr) = 27.2 mg/L Dicamba Zebra fish, LC ₅₀ (96 hr) >98.85 mg/L Water flea, EC50 (48 hr) >41 mg/L MCPA Rainbow trout, LC ₅₀ (96 hr) > 93 mg/L Water flea, EC50 (48 hr) > 91 mg/L
Bioaccumulation:	This product is not 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: Not applicable or consult list of UN numbers

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Dangerous Goods Class:	No restriction for transport. (ADR/RID; IMDG; IATA/ICAO) – may need to list separately
Hazchem Code:	Not applicable
Packaging Group:	Not applicable
Proper Shipping Name:	Not applicable
Segregation:	Not applicable

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101163
GHS Classifications:	Acute Tox.4; Skin Irrit.2; Eye Irrit.2; Skin Sens. 1; Aquatic Chronic.3
HSNO Controls:	Refer to HSR101163
Additional Controls:	Stores containing > 1000 litres should have signage, secondary containment, and emergency response plans.

16. OTHER INFORMATION

SDS date of preparation: 11 / 03 / 2024

SDS date of revision: 11 / 03 / 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, 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

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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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