

SAFETY DATA SHEET

KIWICARE[®]

Product Name: *LawnPro Turfclean Concentrate*

Print/View Date: 20/09/2021

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	LawnPro Turfclean – concentrate
Relevant identified uses:	Herbicide containing phenoxy derivatives.
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:	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 Toxicity Oral Category 4	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 P264 P270	P101 P301 + 312 P330	No storage statements	P501
Serious Eye Damage Category 1	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 P103 P280	P101 P305 + 351 + 338 P310	No storage statements	P501
STOT repeated exposure Category 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
Aquatic Acute/Chronic Category 1			Warning	H400/410	P103 P273	P391	No storage statements	P501

Signal word:

DANGER

Dangerous Goods:

Class 9

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Acute Toxicity (Oral) Cat. 4

Serious Eye Damage Cat. 1

Specific Target Organ Toxicity, repeated exposure, Cat 2.

Aquatic Acute Cat. 1

Aquatic Chronic Cat 1

Hazardous to soil organisms

Hazardous to terrestrial invertebrates

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Pictograms:



Hazard Statement:

H302: Harmful if swallowed

H318: Causes serious eye damage

H373: Causes damage to organs through prolonged or repeated exposure.

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.

P260: Do not breath mist or spray.

P264: Wash hands thoroughly after use.

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

P273: Avoid release to the environment.

P280: Wear protective gloves, clothing and eye protection

P301 + P312: IF SWALLOWED: call a POISON CENTRE or Doctor IF you feel unwell.

P330: Rinse mouth.

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

P310: IF unwell immediately call a POISON CENTRE or Doctor.

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P314: Get medical advice/attention if you feel unwell

P391: Collect spillage. Hazardous to the aquatic environment.

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

Recommended Use: Herbicide – soluble concentrate

Appearance: Pale brown liquid

Ingredients

Ingredients	CAS #	Content %
Mecoprop-P	7085-19-0	16-17
MCPA	16484-77-8	4-5
Dicamba	1918-00-9	2-3
Other 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: 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.

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Eye Contact:	May cause serious eye damage. Rinse opened eye for several minutes under running water. Seek medical advice immediately or call NZ Poisons Centre on 0800 764 766. Have product label at hand.
Skin Contact:	Unlikely to cause skin irritation. Wash skin with soap and water after use. If irritation develops seek medical advice.
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, move patient to fresh air. Seek medical advice or call NZ Poisons Centre on 0800 764 766 - have product label at hand.
Advice for Medical Doctors:	Treat symptomatically. This product is not an inhibitor of cholinesterase.

5. FIRE FIGHTING MEASURES

HAZCHEM code:	2Y
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Appropriate fire extinguishers are Water, CO ₂ , 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:	Carbon monoxide (CO), organic and inorganic compounds

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6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Very toxic to the aquatic environment. Wear protective clothing. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.
Major Spills (more than 20 kg):	<p>Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect using absorbent material. Collect in an appropriate sealable container for disposal in an approved landfill.</p> <p>Minimise the use of water. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.</p>

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist or spray. When handling product in drums, 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.
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 November 2020, edition 12-1)
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Engineering Controls:	Use in well-ventilated area with local exhaust.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	If there is significant potential for contact, wear eye protection.
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.
Respiratory Protection:	Avoid breathing mist or 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. Store work clothing separately.
Environmental Exposure Controls:	Avoid 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 ³	ppm	mg/m ³
None					

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale brown, low viscosity, liquid
Odour:	Octanol odour
Odour Threshold:	No data
pH Value:	9.0 – 11.0

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Melting/freezing point:	No data
Boiling point (range):	No data
Flash Point:	>93 °C
Flammability:	Not flammable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.05 – 1.07
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	N/A
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 strong oxidising agents.
Corrosive Properties:	Corrosive to eyes.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

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11. TOXICOLOGICAL INFORMATION

Hazard Classes	Acute Toxicity (Oral) Cat. 4 Serious Eye Damage Cat. 1 Specific Target Organ Toxicity, repeated exposure, Cat 2. Aquatic Acute Cat. 1 Aquatic Chronic Cat 1 Hazardous to soil organisms Hazardous to terrestrial invertebrates
Acute Toxicity:	Harmful if swallowed. Mecoprop-p salt (CAS 7085-19-0) <ul style="list-style-type: none">LD₅₀ (oral) rat = 431 ppm; LD₅₀ (dermal) rabbit = 900 ppm; LC₅₀ (inhalation, 4h) rat > 12.5 ppm MCPA salt (CAS 16484-77-8) <ul style="list-style-type: none">LD₅₀ (oral) rat = 700 ppm; LD₅₀ (dermal) rat > 4000 ppm; LC₅₀ (inhalation, 4h) rat > 6.4 ppm Dicamba salt (CAS 1918-00-9) <ul style="list-style-type: none">LD₅₀ (oral) rat = 1465 ppm; LD₅₀ (dermal) rat > 2000 ppm; LC₅₀ (inhalation, 4h) rat = 4.46 ppm
Aspiration hazard	Not classified as an aspiration hazard.
Skin corrosion/irritation:	May cause mild skin irritation
Serious eye damage/irritation:	May cause serious eye damage.
Respiratory or skin sensitisation:	May cause irritation on inhalation of mist, gas, or vapour.
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.

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Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not classified
Specific organ toxicity – repeated exposure:	May cause damage to liver or kidneys through repeated exposure.
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:	<p>Mecoprop-p salt (CAS 7085-19-0)</p> <ul style="list-style-type: none"> Acute 96h EC₅₀ (fish) = >93 ppm; Acute 48h EC₅₀ (aquatic invertebrates) = >91 ppm; Contact acute LD₅₀ (bee) >83 ug per bee. <p>MCPA salt (CAS 16484-77-8)</p> <ul style="list-style-type: none"> Acute 96h EC₅₀ (fish) = >72 ppm; Acute 48h EC₅₀ (aquatic invertebrates) = >190 ppm; Contact acute LD₅₀ (bee) >200 ug per bee. <p>Dicamba salt (CAS 1918-00-9)</p> <ul style="list-style-type: none"> Acute 96h EC₅₀ (fish) = >98 ppm; Acute 48h EC₅₀ (aquatic invertebrates) = >41 ppm; Contact acute LD₅₀ (bee) >89.5 ug per bee.
Bioaccumulation:	BCF <1. Not likely to be Bioaccumulate
Soil Toxicity:	No soil toxicity. Half-life 2-24 days

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.
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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.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number: UN 3082
Dangerous Goods Class: Class 9
Hazchem Code: 2Y
Packaging Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.
Segregation: Avoid corrosive alkalis and toxic cyanides.

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR000362
GHS Classifications: Acute Toxicity (Oral) Cat. 4
Serious Eye Damage Cat. 1
Specific Target Organ Toxicity, repeated exposure, Cat 2.
Aquatic Acute Cat. 1
Aquatic Chronic Cat 1
HSNO Controls: Refer to HSR000362
HSNO Approved codes of Practice: Refer to HSR000362

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Additional Controls:

Certified Handler not required.

Tracking not required.

Emergency response plan and secondary containment required if >100 litres present on site.

16. OTHER INFORMATION

SDS date of preparation: 16 / 09 / 2021

SDS date of revision: 16 / 09 / 2026

Emergency Contact:

Work Hours:

24 Hours:

Kiwicare Corporation

225 Maces Road

PO Box 15050

Christchurch

Tel: (03) 389 0778

Fax: (03) 389 0669

National Poisons Centre

PO Box 913

Dunedin

Tel: 0800 764 766 (POISON)

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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 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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