

SAFETY DATA SHEET

KIWICARE[®]

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 1 of 12

1. PRODUCT AND COMPANY INFORMATION

Product Name:	LawnPro Mossclear Concentrate
Relevant identified uses:	Herbicide containing > 40% Dichlorophen Sodium Salt
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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SAFETY DATA SHEET

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 2 of 12

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
Met. Corr. 1			Warning	H290	P102 P103 P234	P101 P390	P406	P501
Skin Corr. 1C			Danger	H314	P102 P103 P260 P264 P280	P101 P301+P330 +P331 P303+P361 +P353 P363 P304+P340 P310 P321 P305+P351 +P338	P405	P501
Eye Damage 1	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 P103 P280	P101 P305+P351 +P338 P310	No Storage Statement	P501
Aquatic Acute/Chronic 1			Warning	H400, 410	P103 P273	P391	No Storage Statement	P501

Signal word:

DANGER

Dangerous Goods:

Class 8 Corrosive Liquid (Base)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Metal Corrosive Cat.1
 Skin Corrosive Cat. 1C
 Eye Damage 1
 Aquatic Acute Cat. 1
 Aquatic Chronic Cat. 1

Pictograms:



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SAFETY DATA SHEET

KIWICARE®

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 3 of 12

Hazard Statement:

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H400/410: 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.

P234: Keep only in original container.

P260: Do not breathe spray.

P264: Wash thoroughly after handling.

P273: Avoid release to the environment.

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

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.

P304+340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment on the label.

P363: Wash contaminated clothing before reuse.

P390: Absorb spillage to prevent material damage.

P391: Collect spillage.

P405: Store locked up.

P406: Store in corrosive resistant container with a resistant inner liner.

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SAFETY DATA SHEET

KIWICARE[®]

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 4 of 12

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: **Ready to Mix Herbicide**

Appearance: Dark brown transparent, thin, liquid

Ingredients

Ingredients	CAS #	Content %
Dichlorophen Sodium Salt	97-23-4	>40%
Other ingredients	NA (Mixture)	>50%

4. FIRST AID MEASURES

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

Ingestion: May be 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.

Eye Contact: May cause eye damage. Rinse opened eye for several minutes under running water – if present, remove contact lenses before rinsing eyes. If irritation persists, 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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SAFETY DATA SHEET

KIWICARE®

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 5 of 12

Skin Contact: May cause skin burns. Remove all contaminated clothing immediately and rinse skin with copious amounts of water. If you feel unwell seek immediate medical advice.

Inhalation: If symptoms develop, or if feeling unwell, move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice, or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Advice for Medical Doctors: Treat symptomatically. Call a doctor or poison control centre for guidance or call NZ Poisons Centre on 0800 764 766.

5. FIRE FIGHTING MEASURES

HAZCHEM code: 3ZE (Not Flammable)

Specific Hazards: Avoid the use of water as an extinguishing agent, due to strong alkaline properties of the product.

Suitable Extinguishing Media: Appropriate fire extinguishers are CO₂, 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 extinguishing agents and spillage safely later.

Hazardous Products of Combustion: None

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent leakage or spillage if safe to do so.

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SAFETY DATA SHEET

KIWICARE[®]

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 6 of 12

Minor Spills (Up to 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If using absorbent media to clean up spill, ensure that it is compatible with an alkaline product.
Major Spills (more than 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. 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

Precautions for safe handling:	Avoid contact with skin and eye. Avoid inhaling spray. When handling product in drums, safety footwear should be worn, and proper handling equipment should be used. No smoking, eating, or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking after handling product. Read the label before use.
Conditions for safe Storage including incompatibilities:	Store in a cool, dry, well-ventilated place and protect from sunlight. Do not store at temperatures below -10°C. Store in original container, tightly closed, away from foodstuffs. 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. Do not store with acids.
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 and acids.

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SAFETY DATA SHEET

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 7 of 12

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure November 2020, edition 12-1)
Engineering Controls:	General ventilation. Keep away from foodstuffs, beverages, and feed. Wash hands before breaks and at the end of work
Hand Protection:	Handle with neoprene gloves when handling
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 required when handling bulk material
Respiratory Protection:	No specific requirements. Handle in a well-ventilated area
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed toed shoes is recommended. Avoid contact with the skin, eyes, and clothing. Store work clothing separately and wash before reuse
Environmental Exposure Controls:	Minimise release to the environment. 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
NA	NA	NA	NA	NA	NA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown, transparent, thin liquid
Odour:	Strong phenolic odour

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SAFETY DATA SHEET

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 8 of 12

Odour Threshold:	No data
pH Value:	11.5 – 13.0
Melting/Freezing Point:	No data
Boiling point (range):	177-178°C (active ingredient)
Flash Point:	>93 °C
Flammability:	Not flammable
Explosive Limits:	No data
Vapour Pressure:	No data
Vapour Density:	No data
Relative Density:	1.14 – 1.16 g/mL
Solubility:	Soluble
Partition Coefficient:	No data
Auto-ignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	May react with some metals due to its high pH value. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	Avoid strong oxidising and acidic agents.
Corrosive Properties:	Corrosive to metals, eyes, and skin.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if heated.

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SAFETY DATA SHEET

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 9 of 12

11. TOXICOLOGICAL INFORMATION

Hazard Classes	Met. Corr. 1, Skin Corr. 1C, Eye Damage 1, Aquatic Acute/Chronic 1
Acute Toxicity:	Rat Oral LD50 Rat = 1506 mg/kg Might cause nausea, vomiting, gastrointestinal colic and diarrhoea
Aspiration hazard	May cause irritation on inhalation of mist, gas, or vapour
Skin corrosion/irritation:	May cause skin corrosion
Serious eye damage/irritation:	May cause serious eye damage
Respiratory or skin sensitisation:	Unlikely to cause skin sensitisation
Germ cell mutagenicity:	Not classified as mutagenic
Carcinogenicity:	Not classified as carcinogenic
Reproductive toxicity:	Not classified as a reproductive toxicant
Specific organ toxicity – single exposure:	Not classified as a single exposure specific target organ toxicant
Specific organ toxicity – repeated exposure:	Not classified as a repeated exposure specific target organ toxicant
Narcotic effects:	No narcotic effects
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated	

12. ECOTOXICITY INFORMATION

Ecological information of substance:	96h LC ₅₀ (Fathead minnow) = 0.310 mg/L 48h LC ₅₀ (Calanoid copepod) = 0.05 mg/L
Bioaccumulation:	Not likely to be bio-accumulative and not biodegradable
Soil Toxicity:	No soil toxicity

13. DISPOSAL CONSIDERATIONS

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 10 of 12

Waste treatment – recommendation: 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. Contact local council or certified chemical waste company for treatment of bulk quantities.

Container Disposal: Empty spray containers should be tripled rinsed before disposing to landfill. Do not burn containers.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3267
Dangerous Goods Class:	Class 8
Hazchem Code:	3ZE
Packaging Group:	III
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Segregation:	Keep in a corrosive material containment

15. N.Z. REGULATORY INFORMATION

EPA HSR Approval Number:	HSR000444
GHS Classifications:	Metal Corrosive Cat. 1 Skin Corrosive Cat. 1C Eye Damage 1 Aquatic Acute Cat. 1 Aquatic Chronic Cat. 1
HSNO Controls:	Refer to HSR000444
HSNO Approved codes of Practice:	Refer to HSR000444

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SAFETY DATA SHEET

KIWICARE[®]

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 11 of 12

16. OTHER INFORMATION

SDS date of preparation: 22 / 11 / 2021

SDS date of revision: 22 / 11 / 2025

Emergency Contact:

Work Hours:

24 Hours:

Kiwicare Corporation

PO Box 15050

Aranui

8643

Tel: (03) 389 0778

Fax: (03) 389 0669

National Poisons Centre

PO Box 913

Dunedin

9054

Tel: 0800 764 766 (POISON)

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SAFETY DATA SHEET

Product Name: LawnPro Mossclear Concentrate

Issued Date: 22/11/2021

Page 12 of 12

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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