

# SAFETY DATA SHEET

Product Name: LawnPro Turfclean Ready to Use

Issue Date: 19/06/2018

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>LawnPro Turfclean Ready to Use</b>
Synonyms:	Turfclean Ready to Use
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	
National Poisons Centre:	0800 764 766 (0800 POISON)

## 2. HAZARDS IDENTIFICATION

Dangerous Goods:	UN class 9
Packaging Group:	III
Hazardous Substance (HSNO) Codes:	6.1D – Toxic to humans, 6.3B – Mild skin irritant, 6.9B – Harmful to human target organs or systems, 8.3A – Eye corrosive, 9.1A – Very toxic to aquatic life, 9.2A – Very toxic to soil organisms, 9.3C – Harmful to terrestrial vertebrates

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Combination selective herbicide and fertiliser for lawns and turf.

Appearance: Brown non-viscous liquid.

### Ingredients

Ingredients	CAS #	Content % w/w or w/v
Mecoprop	93-65-2	< 1%
MCPA	5742-19-8	< 1%
Dicamba	1918-00-9	< 1%
Non-hazardous components		>90%

## 4. FIRST AID MEASURES

**Ingestion:** If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. Obtain medical advice immediately.

**Eye Contact:** Causes eye irritation. Check for and remove any contact lenses if easy to do so. Do not use an eye ointment. Flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.

**Skin Contact:** Mild skin irritant. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice.

**Inhalation:** Can cause irritation of upper respiratory tract. If ill effects persist call a doctor. Seek immediate medical attention.

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## 4. FIRST AID MEASURES

Notes to Physician: None allocated.

## 5. FIRE FIGHTING MEASURES

Specific Hazards: Clear fire area of all non-emergency personnel.

Suitable Extinguishing Media: Water spray, foam, CO2, dry chemical or any class B extinguishing agent.

Fire Fighting Advice: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document.

## 6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up:

Minor Spills (Up to 20 L): Floor may be slippery if wet. 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. 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 incinerated at an authorised installation.

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## 6. ACCIDENTAL RELEASE MEASURES

Major Spills (more than 20 L):

Floor may be slippery if wet. 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. 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

Handling:

Rinse out empty containers and do not use for any other purpose.

Storage:

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. Keep container sealed when not in use.

All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

None allocated.

Engineering Controls:

Always use with adequate ventilation.

Personal Protection:

Avoid all personal contact. Wear suitable protective clothing. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Brown translucent liquid. Fertiliser smell.
Solubility:	None allocated.
Specific Gravity:	1.04 – 1.06
Boiling Point:	None allocated.
Freezing Point:	None allocated.
Melting Point:	None allocated.
Vapour Pressure:	None allocated.
Coefficient of Cubic Expansion:	None allocated.
Relative Vapour Density:	None allocated.
Decomposition Point:	None allocated.
Viscosity:	None allocated.
Flash Point:	None allocated.
Electrostatic Generation:	None allocated.
Auto-ignition Temperature:	None allocated.
% Volatile by Volume:	None allocated.
Flammable Limits:	None allocated.
pH Value:	9.0 – 11.0
Evaporation Rate:	None allocated
Explosion Hazard:	None allocated
Formula:	None allocated
Molecular Weight:	None allocated
Chemical Family:	None allocated
Other:	None allocated

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Oxidising Agents:	None allocated
Acids:	None allocated
Alkalis:	None allocated
Salt or Freshwater:	None allocated
Exposure Standards (TLV-TW):	None allocated
Engineering Controls:	None allocated

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use
Incompatibility:	Avoid mixing with strong acids, alkalis and oxidising agents
Corrosive Properties:	Not corrosive
Thermal Decomposition:	Hazardous gases may be emitted including but not limited to, hydrogen chloride, oxides of carbon, phosgene and nitrogen.

## 11. TOXICOLOGICAL INFORMATION

General:	Toxic to humans.
Acute Effects	
Ingestion:	Acute LD50 oral rat - 700-1160 mg/kg MCPA Acute LD50 oral rat - 1707 mg/kg Dicamba Acute LD50 oral rat - 930-1166 mg/kg Mecoprop
Eye Contact:	Eye corrosive.
Skin Contact:	Acute LD50 dermal rat >4000 mg/kg MCPA Acute LD50 dermal rat >2000 mg/kg Dicamba Acute LD50 dermal rat >4000 mg/kg Mecoprop

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## 11. TOXICOLOGICAL INFORMATION

Inhalation:	May irritate respiratory tract.
Long Term Effects:	None allocated
Acute Toxicity:	Acute LD50 oral rat - 700-1160 mg/kg MCPA Acute LD50 oral rat - 1707 mg/kg Dicamba Acute LD50 oral rat - 930-1166 mg/kg Mecoprop
Chronic Toxicity:	None allocated.

## 12. ECOTOXICITY INFORMATION

Environmental Effects:	Avoid contaminating waterways and fishponds. Do not allow spray to drift onto aquatic environments, other crops or desirable plants or outside the target area. This product is very damaging to grapes, tomatoes and other sensitive crops. Keep children, pets, wildlife and birds off treated areas until the spray is dry. Contaminated absorbent and wash water should be disposed of according to local and national regulations.  Very ecotoxic in the soil environment.
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## 13. DISPOSAL CONSIDERATIONS

Product Disposal:	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 incinerated at an authorised installation.
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## 13. DISPOSAL CONSIDERATIONS

Container Disposal: Rinse out empty containers prior disposal. Do not re-use empty container for any other purpose

All aspects of disposal, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

## 14. TRANSPORT INFORMATION

### Road and Rail

UN Number: 3082

Dangerous Goods Class: 9

Hazchem Code: 2XE

Packaging Group: III

Proper Shipping Name: Environmentally hazardous substance, liquid - N.O.S. - Mecoprop, MCPA, Dicamba

Segregation: None allocated

### Marine

UN Number: 3082

Class: 9

Packaging Group: III

Proper Shipping Name: Environmentally hazardous substance, liquid - N.O.S. - Mecoprop, MCPA, Dicamba

### Air Transport

UN Number: 3082

Class: 9

Packaging Group: III

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## 14. TRANSPORT INFORMATION

Proper Shipping Name: Environmentally hazardous substance, liquid -  
N.O.S. - Mecoprop, MCPA, Dicamba

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR000362  
HSNO Classifications: 6.1D, 6.3B, 6.9B, 8.3A, 9.1A, 9.2A, 9.3C  
HSNO Controls: See EPA website - [www.epa.govt.nz](http://www.epa.govt.nz)  
HSNO Approved codes of Practice: See EPA website - [www.epa.govt.nz](http://www.epa.govt.nz)

## 16. OTHER INFORMATION

Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

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## 16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than three 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.

The information in this document should be made available to all who may handle the product

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.

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