

SAFETY DATA SHEET

Date of Issue: September 2020

Issue Number: 080920_V1

1. IDENTIFICATION

PRODUCT NAME:	Ready to Use Roundup Lawn Weedkiller	
Other names:	Herbicide containing 2.14 g/L MCPA (as dimethylamine salt), 0.18 g/L dicamba (as dimethylamine salt) and 0.5 g/L fluroxypyr methylheptyl ester.	
USE:	Ready to use herbicide for use on lawn and turf by home gardeners	
COMPANY:	Evergreen Garden Care New Zealand Ltd Truman Lane, Te Maunga Mount Maunganui 3175 Telephone: (07) 575 2160 Fax: (07) 575 8462 Website: www.tuiproducts.co.nz	
Emergency Telephone Numbers:	NATIONAL POISONS CENTRE	0800 764 766
	POLICE, FIRE, AMBULANCE	111

2. HAZARD IDENTIFICATION:

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

EPA New Zealand Approval Code: HSR101432

Refer to www.epa.govt.nz for Controls for this substance.

HSNO Hazard Classification: 9.1D. 9.2A

Pictograms:



Signal word: WARNING

Hazard Statements:

H413 Harmful to aquatic life.

H421 Very toxic to the soil environment.

Prevention Statements:

P103 Read label before use.

P273 Avoid release to environment.

Response Statements:

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Storage Statement:

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Disposal Statement:

P501 Dispose of to an approved landfill in accordance with any local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
MCPA (present as the dimethylamine salt. CAS No 2039-46-5)	94-74-6	<1
Dicamba (present as the dimethylmine salt, CAS No 2300-66-5)	1918-00-9	<0.1
Fluroxypyr methylheptyl ester	81406-37-3	<0.1
Propylene glycol	57-55-6	<10
Other ingredients	Proprietary	balance

4. FIRST AID MEASURES

Consult the National Poisons Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning. If medical advice is needed, have product container or label at hand.

INGESTION: Rinse mouth with water. Call a Poison Centre or doctor for advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs.

INHALATION: Move person to fresh air and keep warm and at rest until recovered. Call a Poison Centre or doctor for advice if person feels unwell.

SKIN: Remove immediately all contaminated clothing. Wash affected area with plenty of soap and water. If irritation occurs, get medical advice.

EYES: Hold eyes open and rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do after the first 5 minutes. Continue rinsing for at least 15 minutes. Get medical attention if irritation persists.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing agent suitable for surrounding materials.

FIRE & EXPLOSION HAZARDS: Harmful and irritating fumes, gases.

SPECIFIC HAZARDS: In case of fire, avoid breathing smoke.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Avoid contact with skin and eyes. Wear gloves, and eye protection if risk of splashes. Contain spill. Avoid run off into drains or sewers. Do not contaminate watercourses or the ground. Absorb spill with an appropriate inert material, e.g. vermiculite, sand or earth, and dispose of waste safely in a labelled sealed container to disposal facility.

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If contamination of drains, sewers or waterways occurs immediately notify Emergency Services (111).

DISPOSAL: Dispose of contaminated waste or product to a disposal facility or to an approved landfill in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING:

Read label before use. Not to be used in agricultural setting or in wide dispersive manner. Restrictions apply to application rate (coverage) and frequency. Use only in well-ventilated areas. Take reasonable steps to ensure product does not damage desirable plants. Avoid breathing vapors or direct contact with product. Wear gloves. Wash hands after handling.

STORAGE: Keep container closed when not in use. Store in closed original container in a cool dry well-ventilated place, away from sunlight, out of reach of children, and away from food, drink and animal foodstuffs.

Threshold quantities:

Secondary containment - Not applicable

Emergency response plan – Not applicable

Signage – 100L

Recommended materials: Information not available.

Unsuitable materials: Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: A NZ Workplace Exposure Standard (WES) have been set for an ingredient in this substance:

Propylene glycol	
Vapour and particulates	WES-TWA 474 mg/m ³ (150 ppm)
Particulates only	WES-TWA 10 mg/m ³

ENGINEERING CONTROLS: Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Wear impervious gloves and eye protection (glasses with side shields or face shield).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque liquid
Odour:	Not available
Odour threshold:	Not available
pH:	7.5 -8.5
Melting point/Freezing point (°C):	Not available
Boiling point/Boiling range (°C):	Not available
Flash point (°C):	Not flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits in air (%v/v):	Not available
Vapour pressure (Pa at 20°C):	Not available
Vapour density (air =1):	Not available

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Relative density at 20°C, g/cc:	0.96 – 1.02
Solubility in water:	Miscible
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature (°C):	Not available
Decomposition temperature (°C):	Not available
Kinematic viscosity:	Not available
Volatile organic carbon content:	Not available
Evaporation rate (nBuAc =1):	Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of storage and use.

CONDITIONS TO AVOID: Storage in direct sunlight.

INCOMPATIBILITY (MATERIALS TO AVOID): Not determined.

HAZARDOUS DECOMPOSITION PRODUCTS: Dependent on conditions under which decomposition (combustion, thermal or oxidative degradation) occurs. A complex mixture of airborne solids, liquids and gases (carbon monoxide, carbon dioxide and other unknown compounds) will be evolved.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

ACUTE TOXICITY: Not classified as acutely toxic by oral, dermal or inhalation routes.

ASPIRATION HAZARD: Not classified with aspiration hazard.

RESPIRATORY IRRITATION: Inhalation of spray mist may be irritating to respiratory system.

SKIN CORROSION/IRRITATION: Not classified as irritant.

SERIOUS EYE DAMAGE/IRRITATION: Not classified as irritant.

RESPIRATORY OR SKIN SENSITISATION: Not classified.

GERM CELL MUTAGENICITY: No components identified with mutagenic properties.

CARCINOGENICITY: No components identified carcinogenic properties.

REPRODUCTIVE TOXICITY: Not classified.

SPECIFIC ORGAN TOXICITY (REPEATED AND SINGLE EXPOSURE): No adverse effects identified.

NARCOTIC EFFECTS: No information available.

Toxicological data:

Not available.

Additional information: Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Product is harmful to aquatic life and very toxic to the soil environment.

PERSISTENCE AND BIODEGRADABILITY: Dicamba dimethylamine salt is moderately persistent. Soil DT₅₀ >30 days.

POTENTIAL FOR BIOACCUMULATION: Components are not expected to be bioaccumulative.

MOBILITY IN SOIL: Product is miscible in water. Dicamba is highly mobile. May contaminate groundwater.

OTHER ADVERSE EFFECTS: Not available.

Ecotoxicological data: The active ingredients are highly toxic in the soil environment.

Fluroxypyr-meptyl Cotton EC₂₅ (21 d) 0.0012 lb/acre (0.00025 mg/kg soil)

MCPA dimethylamine Lettuce EC₂₅ (21 d) 0.003 lb/acre

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Recover and recycle product whenever possible. Send clean dry containers to recycling facility or through rubbish collection. Dispose of waste in accordance with Regional Authority or local council bylaws.

SPECIAL PRECAUTIONS: Ensure empty containers are water rinsed. Do not use empty containers for storing other products.

14. TRANSPORT REGULATIONS

This product is not classified as a Dangerous Good for transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

TRANSPORT INFORMATION:

UN Number: Not regulated

PROPER SHIPPING NAME:

Class:

Sub risk:

Packing Group:

HAZCHEM:

Marine Pollutant:

15. REGULATORY INFORMATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

HSNO Substance Approval Code: HSR101432

Refer to Section 2 for hazardous classifications and to www.epa.govt.nz for Controls and Conditions.

Additional Controls:

- A maximum application rate of 1 L/20 m² is set for Lawn Builder Ready to Use (equating to 2.14 g MCPA/20 m², 0.5 g/20 m² fluroxypyr and 0.18 g/20 m² dicamba), with a maximum of four applications per year and a minimum interval of three months between application.
- The substance label must include the following statement, or words to the same effect:
 - this substance must not be applied in an agricultural setting or in a wide dispersive manner;
 - this substance may damage desirable plants, take steps to prevent application to non-target plants.

- The substance must not be applied in an agricultural setting or in a wide dispersive manner.
- The following limit is set for the toxicologically relevant impurity in the active ingredient MCPA dimethylamine salt used to manufacture this substance:
- Free phenol (expressed as 4-chloro-2-methylphenol): 10 g/kg maximum
- The packaging of this substance is restricted to a packing size of 5 L or less.
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For additional compliance information refer to Worksafe NZ www.worksafe.govt.nz.

16. OTHER INFORMATION

ISSUE DATE: 08 September 2020

REPLACES: Not applicable

REASONS FOR ISSUE: New product

ABBREVIATIONS:

CAS No.	Chemical Abstracts Service Number
EPA	Environmental Protection Authority
HSNO	Hazardous Substances & New Organisms
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

REFERENCES:

Chemical Classification and Information database (CCID); www.epa.govt.nz

Supplier Safety Data Sheets for components

Toxicity and ecotoxicity Study reports on product

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Evergreen Garden Products disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET