

1. PRODUCT & COMPANY IDENTIFICATION

Product Name	LawnMate
Recommended Use	Herbicide
Suppliers Details	Rainbow & Brown Limited 68A Tallyho Street, Rotorua, New Zealand PO Box 10049, Mail Centre, Rotorua, 3046
Web Address	www.rainbowbrown.co.nz
Email address	mail@rainbowbrown.co.nz
Telephone	(07) 350 2009 (office hours), 0508 299 299 (free phone, office hours)
Emergency Telephone	0800 CHEMCALL (0800 243 622) (24 hours)
National Poison Centre	0800 POISON (0800 764 766) (24 hours)
Date of Issue	13 February 2026
Expiry Date	13 February 2031

2. HAZARD IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No	HSR000368
Hazard Pictograms	
Signal Word	DANGER

GHS Classification & Category	HSNO Classification	Hazard Code	Hazard Statement
Eye irritation, Category 2	6.4A	H319	Causes serious eye irritation
Specific target organ toxicity – repeated exposure, Category 1	6.9A	H372	Causes damage to liver and kidneys through prolonged or repeated exposure.
Hazardous to the aquatic environment (acute) Category 1	9.1A	H400	Very toxic to aquatic life
Hazardous to the aquatic environment (chronic) Category 1	9.1A	H411	Very toxic to aquatic life with long lasting effects.

Hazardous to soil organisms.	9.2A	H421	Very toxic to the soil environment.
Hazardous to the terrestrial vertebrates	9.3B	H432	Toxic to terrestrial vertebrates
Hazardous to the terrestrial Invertebrates	9.4C	H443	Harmful to terrestrial invertebrates.

Prevention Code	Prevention Statement
P103	Read label before use.
P260	Do not breathe mist/vapour/spray.
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Avoid contact with eyes and skin. Do not breathe in spray mist. When applying, wear personal protection as described in section 8. Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.

Response Code	Response Statement
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage

First aid measures described in section 4. Contain and collect spillage for disposal. In an emergency call 111, Police or Fire Brigade. For specialist advice in an emergency only, call 0800 CHEMCALL (0800 243 6225) (24 hrs).

Storage Code	Storage Statement
-	Refer to section 7.

Disposal Code	Disposal Statement
P501	In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration g/L
2,4-D dimethylamine salt	2008-39-1	200g/L
Dicamba dimethylamine salt	2300-66-5	100g/L
Non-hazardous ingredients	Proprietary	Balance to volume

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

4. FIRST-AID MEASURES

If medical advice is needed, have product container or label at hand. For advice call the National Poisons Centre or a Doctor.

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. Seek medical advice if irritation persists.
Skin or hair	Wash with plenty of soap and water. Seek medical advice if irritation or rash occurs.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Workplace Facilities	Hand wash facility. Eye wash facility. Safety shower should be available.
Advice to Doctor	Treat symptomatically.
National Poison Centre	0800 POISON (0800 764 766) (24 hours)

Symptoms of Exposure which could occur if this material is not handled in accordance with instructions:

Eye Contact	Irritation
Skin	No data available
Ingestion	No data available
Inhalation	No data available

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Alcohol resistant foam is preferred firefighting medium but if it is not available, standard foam can be used. Prevent extinguishing media from entering drains.
Thermal Decomposition Products	Non-flammable. Thermal decomposition may produce toxic fumes and compounds.

Special Fire Fighting Methods	The addition of water may cause excessive foaming. Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
Hazchem Code	3Z

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective clothing as described in section 8. Do not inhale fumes. Exclude non-essential people from the area.
Environmental Precautions	Prevent further spillage or leakage. Prevent material from entering drains, waterways, etc.
Clean Up	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgit or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. See Section 13 for details on disposal.

7. HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in the original tightly closed container and in a secure, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 litres or more of LawnMate require secondary containment, signage and emergency response plan.
Handling and Use	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. This product must be under the control of a suitably qualified handler during mixing, loading and use.
REI	None specified (Also refer to Section 15).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Tolerable Exposure Limit	None established
Workplace Exposure Standards	Information not available
Engineering Controls	Handle in well-ventilated areas, generally natural ventilation is adequate.
Personal Protection	
Protective Clothing	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.

Respiratory	Respiratory protection is not required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.
Skin	Cotton overalls snugly fitting at the neck, wrist and ankle, boots and gloves
Eye	Safety glasses/goggles when applying
Hygiene Precaution	Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

Clean protective equipment after use

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Brown liquid
Odour	Amine odour.
Odour Threshold	Not Available.
pH	6 – 8 (typical)
Melting Point/Freezing Point	Not Available
Boiling Point	Not Available
Flash Point	Not Applicable.
Flammability	Not Available
Upper/Lower Flammability	Not Available
Vapour Pressure	Not Available
Vapour Density	Not Available
Relative/Specific Gravity	1.17g/ml@25°C
Water Solubility	Miscible water
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Applicable.
Decomposition Temperature	Not Available.
Kinematic Viscosity	Not Available.
Particle Characteristics	Not Applicable.

10. STABILITY & REACTIVITY

Stability	Stable under normal storage conditions in original container for two years.
Conditions To Avoid	None known.
Materials To Avoid	Strong acids/bases. Oxidising and reducing agents.

Hazardous Decomposition Products	Thermal decomposition may produce toxic fumes and compounds.
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11. TOXOLOGICAL INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions.

No toxicological data is available for the finished product.

Acute Oral Toxicity	2,4-D amine salt LD50 (rat) 625 mg/kg Dicamba DMA LD50 (rat) 1267 mg/kg
Acute Dermal Toxicity	2,4-D amine salt LD50 (rabbit) 2115 mg/kg
Acute Inhalation Toxicity	Dicamba DMA LC50 (4hr, rat) >9.6 mg/kg 2,4-D amine salt LC50 1.8 – 10.7 mg/L
Skin corrosion/irritation	Not expected to be irritating.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Not expected to be irritating.
Germ Cell Mutagenicity	Information not available
Carcinogenicity	Information not available
Reproductive Toxicity	Information not available
Specific Organ Toxicity – Single exposure	Information not available
Specific Organ Toxicity – Repeated exposure	Causes damage to liver and kidneys through prolonged or repeated exposure.
Aspiration Hazard	Information not available

12. ECOLOGICAL INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions

The following information is presented in respect of the active ingredient:

Toxicity	• Very toxic to aquatic life with long lasting effects. • Very toxic to the soil environment. • Toxic to terrestrial vertebrates. • Harmful to terrestrial invertebrates.
Precautions	Qualified Handler: This product must be under the control of a suitably qualified handler during handling, mixing, loading or application. This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container.

	Selective Herbicide - very toxic to some plant species. Spray Drift Hazard – May cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application. Do not apply this product if bees are foraging.
Ecotoxicity	- DicambaDMA: LC50 (96hr, Rainbow trout) >977 mg ae/L EC50 (5day, Skeletonema costatum) 0.493 mg ae/L 2,4-D amine salt: LC50 (96hr, Rainbow trout) 100 mg/L EC50 (48hr, water flea) 4 mg/L NOEL (28day, Fathead minnow) 17.1 mg/L NOEL (21day, water flea) 27.5 mg/L
Persistence & Degradability	No
Bioaccumulation	No
Mobility in Soil	Information is not available
Environmental Exposure Limit	Information is not available

13. DISPOSAL CONSIDERATIONS

Product	Dispose of by using product as intended, according to the label directions. If this is not possible, for small amounts, absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in a suitable sealable, labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility.
Container	Triple rinse empty container and add rinsate to spray tank. Return empty container to an AgRecovery collection point for disposal, or puncture and dispose of at an approved facility. Do NOT burn. Do not use the container for any other purpose.

14. TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains 2,4-D 20% and dicamba 10%)
Class	9
Subsidiary Class	N/A
Packing Group	III
Additional Information	Marine Pollutant
MTQ (Non-Commercial)	250L

Passenger Service Vehicle	The Environmentally Hazardous Substance Mark is not required when transported in packages of less than 5kg/L
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15. REGULATORY INFORMATION

ACVM Registration No.	Exempt from registration under the ACVM Act 1997.
EPA Approval No	HSR000368
Qualified Person	Yes
Certified Handler	Not required
Workplace Only	No
Location Certificate	Not required
Tracking	Not required
Record Keeping	If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance.
Signage	100 Litres
Emergency Response Plan	100 Litres
Secondary Containment	100 Litres
Additional Requirements	Refer to NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans

16. OTHER INFORMATION

SDS review Date	13 February 2026
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Glossary

ACVM	Agricultural Compounds and Veterinary Medicines group of the Ministry of Primary Industries
DT₅₀	Information is not available
EC₅₀	Information is not available
Environmental Exposure Limit	Information is not available
EPA Notice	Environmental Protection Authority (New Zealand)
ERP Guide	Dangerous Goods – Initial Emergency Response Guide SNZ HB
GHS	Globally Harmonised System
HSNO	Hazardous Substances & New Organisms Act

Koc	Organic carbon partition coefficient
LFL	Lower Flammability Limit
LC₅₀	Lethal Concentration, 50% / Median Lethal Concentration
LD₅₀	Lethal Dose, 50% / Median Lethal Dose
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH or WorkSafe	WorkSafe New Zealand
PEL	Permissible Exposure Level
Pow	Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.)
pH	Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali)
STEL	Short Term Exposure Limit
TEL	Tolerable Exposure Limit
TLV	Threshold Limit Value – an exposure limit set by a competent authority
TWA	Time Weighted Average – average concentration of a chemical in air over a total exposure time (usually 8 hours)
UFL	Upper Flammability Limit
WES	Workplace Exposure Standard – set by WorkSafe NZ

Rainbow & Brown Ltd Safety Data Sheet Disclaimer

This Safety Data Sheet has been prepared by Rainbow & Brown Ltd and summarises information on this product and safe handling procedures. The information is based on data provided to Rainbow & Brown Ltd or obtained from third-party sources and represents the current understanding of appropriate safety and handling precautions at the time of issue.

Users must ensure they are working with the most current version of this SDS and should familiarise themselves with both the product label and this document. Each user should consider this information in the context of their specific handling and use of the product, including when used in conjunction with other products.

While Rainbow & Brown Ltd has exercised due care to include accurate and up-to-date information, no warranty is provided as to the accuracy, completeness, or suitability of this information. Users are responsible for determining whether this information is suitable and accurate for their particular purposes and specific applications.

For additional clarification regarding any aspect of the product or to ensure an appropriate risk assessment can be conducted, users should contact Rainbow & Brown Ltd directly or obtain further information from the manufacturer. To the fullest extent permitted by law, Rainbow & Brown Ltd accepts no liability for any loss, injury, or damage (including consequential loss) that may result from reliance on the information contained in this SDS. This information is provided in good faith, but no express or implied warranty is made.