

# SAFETY DATA SHEET

Product Name: **Lawn 2-In-1**

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>LAWN 2-IN-1</b>
Recommended uses:	Pesticide
Restrictions on Use/Supply	Do not apply into or onto water
Molecular Formula:	Mixture
Supplier:	Burnet's Horticulture Limited
Street Address:	28 Andromeda Crescent, East Tamaki, Manukau, New Zealand
Postal Address:	PO BOX 58-510 Botany, Auckland 2163
Telephone	0800 775 710
Email:	<a href="mailto:enquiries@burnets.co.nz">enquiries@burnets.co.nz</a>
Website:	<a href="http://www.burnets.co.nz/">http://www.burnets.co.nz/</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 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
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
STOT RE 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
Aquatic Chronic 3	Not applicable for the UN RTDG Model Regulations	No pictogram	No signal word	H412	P103 P273	No response statements	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Not a Dangerous Goods

Packaging Group:

Not applicable: Packaging must comply with Part B, clause 8 – Hazardous Substances (Packaging) Notice 2017.

Hazardous Substance (GHS) Codes:

Eye Irritation Cat. 2

Specific Target Organ Toxicity- Repeated Exposure- Cat. 2

Aquatic Chronic 3

Pictograms:



Hazard Statement:

H319: Causes serious eye irritation

H373: May cause damage to liver and kidney through repeated or prolonged exposure.

H412: Harmful to aquatic life with long lasting effects.

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Hazardous to soil organisms

Hazardous to terrestrial vertebrates.

## 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 breathe mist/spray.

P264: Wash hands and face thoroughly after handling.

P273: Avoid release to the environment.

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

P314: Get medical advice/attention if you feel unwell.

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

P337+P313: If eye irritation persists: Get medical advice/attention.

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

Appearance: Amber liquid

### Ingredients

Ingredients	CAS #	Content %
Dicamba	1918-00-9	0.23
MCPA	94-74-6	1.5
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

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## 4. FIRST AID MEASURES

General information:	In case of accident, or if you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Drink one or two glasses milk or water. Seek medical advice or call NZ Poisons Centre on 0800 764 766 if feeling unwell. If medical advice is needed, have product label at hand.
Eye Contact:	May cause eye irritancy. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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.
Skin Contact:	Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If skin irritation develops seek medical advice.
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	Not applicable
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	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.

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Hazardous Products of Combustion: No data for the product  
Dicamba emits toxic fumes of chlorine.  
MCPA emits toxic fumes of hydrogen chloride and nitrogen oxides.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Use personal protective equipment. Avoid breathing vapours or mist. Ensure adequate ventilation. For personal protection see section 8.
Environmental precautions:	Environmentally hazardous substance. Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Low environmental hazard. Contain spill and collect.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. 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.

## 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 bulk, 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 or sunlight. Store away from foodstuffs, children, and animals. Minimum shelf life: 2 years.

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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:	No exposure standards apply to this product.
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	Wear safety goggles or full-face shield to avoid splashes.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	Use a respirator or disposable masks to avoid inhalation of 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.
Environmental Exposure Controls:	Minimise release to the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber liquid
Odour:	Mild ammonia odour
Odour Threshold:	No data
pH Value:	6.0 - 9.0
Melting/freezing point:	No data
Boiling point (range):	~100 °C

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Flash Point:	Will not flash
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	>1
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	No data

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Chemical/material Incompatibilities	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly explosive gas that could explode.
Conditions to be avoided:	Avoid excessive heating
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Classes	Eye Irrit. 2; STOT RE 2
Acute Toxicity:	Dicamba

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	Acute oral LD <sub>50</sub> = 1039 mg/kg (rat).
	Acute dermal LD <sub>50</sub> >1000 mg/kg (rat)
	MCPA
	Acute oral LD <sub>50</sub> = 700mg/kg (rat)
	Acute dermal LD <sub>50</sub> > 1000mg/kg (rat)
Aspiration hazard	Unlikely to cause an aspiration hazard.
Skin corrosion/irritation:	Not a skin corrosive
Serious eye damage/irritation:	Can cause serious eye irritation
Respiratory or skin sensitisation:	Unlikely to cause respiratory or skin sensitisation
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.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	No data available
Specific organ toxicity – repeated exposure:	Liver and Kidney
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:	Toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging.
	Dicamba
	Danio rerio, LC <sub>50</sub> (96 hr) > 98.85 mg/L
	Daphnia magna, EC <sub>50</sub> (48 hr) > 41 mg/L

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MCPA

Oncorhynchus mykiss, LC<sub>50</sub> (96 hr) > 72 mg/L

Daphnia magna, EC<sub>50</sub> (48 hr) > 50 mg/L

Bioaccumulation potential: The product is not likely to bioaccumulate.

Soil Toxicity and degradability: Hazardous to soil organisms

Mobility in soil Moderate to high mobility potential, but rapidly degraded.

## 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.

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. DO NOT burn.

Methods of disposal to avoid Do not empty down stormwater system

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number: Not applicable or consult list of UN numbers

UN Dangerous Goods Class: No restriction for transport. (ADR/RID; IMDG; IATA/ICAO) – may need to list separately

Hazchem Code: Not applicable

UN Packaging Group: Not applicable

UN Proper Shipping Name: Not applicable

Segregation: Not applicable

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## 15. N.Z. REGULATORY INFORMATION

HSNO approval Number:	HSR000359
GHS Classifications:	Eye Irrit. 2; STOT RE 2; Aquatic Chronic 3
HSNO Controls:	Refer to HSR000359
Other Controls	None

## 16. OTHER INFORMATION

SDS date of preparation: 14 / 07 / 2022

SDS date of revision: 14 / 07 / 2027

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 Burnet's Horticulture Ltd web site, [www.burnets.co.nz](http://www.burnets.co.nz), or contact the supplier of the starting materials.

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 Burnet's Horticulture Ltd 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 Burnet's Horticulture Ltd 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
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase

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HSNO: Hazardous Substances and New Organisms (1996) Act  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Dangerous Goods  
P Phrase: Precautionary Phrase  
RID: Regulations concerning the International carriage of Dangerous good by rail  
STEL: Short-Term Exposure Limit  
TLV: Threshold Limit Value  
TWA: Time Weighted Average