SAFETY DATA SHEET

Garrards Pty Ltd	Date Issued: 10 June 2026
PO Box 5477	Brendale, Qld, 4500
Ph: (07) 3881 1693	Fax: (07) 3881 1781
www.garrards.com.au	

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Dicamba / MCPA

COMPANY IDENTIFICATION:
Garrards Pty Ltd
PO Box 5477
Brendale, Queensland 4500

USE: Group I Agricultural Herbicide

2. HAZARDOUS IDENTIFICATIONS:

Hazardous according to criteria of Safe Work Australia

GHS Classification of the substance/mixture

- Acute toxicity – category 4
- Skin irritation – category 2
- Eye damage – category 1
- Hazardous to the aquatic environment (acute) – category 1
- Hazardous to the aquatic environment (chronic) – category 1

Signal Word(s): DANGER

Hazard Statement(s)

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H318 Causes serious eye damage
- H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s) – General

- P101 If medical advice is needed, have product container, label or SDS at hand
- P102 Keep out of reach of children
- P103 Read label before use

Pictogram(s)
Corrosion, Exclamation mark, Environment



Precautionary Statement(s) – Prevention

- P202 Do not handle until all safety precautions have been read and understood
- P260 Do not breathe mists or spray
- P271 Use only outdoors or in a well ventilated area
- P280 Wear protective gloves, clothing, eye and face protection
- P284 Wear respiratory protection

Precautionary Statement(s) – Response

- P302+P352 If on skin: wash with plenty of soap and water.
- P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call Poisons Information Centre (**13 11 26**) or a doctor.
- P305+P351+P338+P310 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call Poisons Information Centre (**13 11 26**) or a doctor.
- P308+P313 If exposed or concerned: get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Dicamba	1918-00-9	80g/l
MCPA	94-74-6	340g/l
Other ingredients determined non-hazardous.		HIGH

Proportion (% weight per weight): VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

4. FIRST AID:

If poisoning occurs, immediately contact a doctor or **Poisons Information Centre (telephone 13 11 26**), and follow the advice given. Show this Safety Data Sheet to a doctor.

NOTE TO PHYSICIAN / FIRST AIDERS: Treat Symptomatically. Note the nature of this product.

5. FIRE FIGHTING MEASURES:

FLASH POINT: Does not burn.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry chemical, foam water fog.
FIRE AND EXPLOSION HAZARDS: Fire decomposition products may form toxic and corrosive mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating.

FIRE-FIGHTING EQUIPMENT: When fighting fires involving significant amounts, wear safety boots, non-flammable overalls, gloves, hat goggles and respirator. All skin areas should be covered.

6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS:
In case of spills it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways.

1. Keep all bystanders away.
2. Wear full-length clothing and PVC gloves.
3. Reposition any leaking containers so as to minimise further leakage.
4. Dam and absorb spill with an absorbent material (e.g. sand or soil).
5. Shovel the absorbed spill into drums and top with hydrated lime.
6. Disposal of the absorbent material will depend on the extent of the spill.
   - For quantities up to 50L of product bury in a secure land fill site.
   - For quantities greater than 50L seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
7. Decontaminate spill area with hydrated lime scattered over the spill prior to rinsing off with water.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry place away from direct sunlight. Store away from food and food stuffs for animal or human consumption. Store in its original container well sealed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION:

EXPOSURE GUIDELINES:
Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. A time weight average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for any of the major ingredients in this product. There is a blanket recommendation of 10mg/m^3 for inspirable dusts or mists when limits have not otherwise been established.

ENGINEERING CONTROLS:
In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:
Avoid skin and eye contact and inhalation of vapour. Wear overalls, eye protection and impervious gloves. Use adequate ventilation. Eye washing and shower facilities available.

EYE / FACE PROTECTION: Face and eye protection should be worn. For help in selecting suitable equipment consult AS 1336 and AS/NZS 1337.

SKIN PROTECTION: Wear chemical resistant PVC or nitrile gloves. Wear cotton overalls and washable cotton hat. Wear boots. For help in selecting suitable gloves consult AS 2161 For help in selecting suitable clothing consult AS 2919. For help in selecting boots consult AS/NZS 2210

RESPIRATORY PROTECTION: Use in well-ventilated area. For help in selecting suitable equipment consult AS/NZS 1715.

APPLICATIONS AND ALL OTHER HANDLERS:
After handling this product always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear brown liquid.
ODOUR: Mild amine
SOLUBILITY IN WATER: Completely soluble
SPECIFIC GRAVITY: 1.112
BOILING POINT: Approx. 100^{0}C at 100kPa

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions. Reaction of the concentrate with alkaline materials such as caustic soda (and even lime) will liberate dimethylamine vapour. Dimethylamine is moderately toxic, LD_{50} (Oral, rat) is 700mg/kg and TLV of 10ppm (TWA) has been set. Dimethylamine has a fishy odour. Reaction of the concentrate or spray mix with acids will precipitate solid dicamba and largely deactivate the product and cause blockages in spray equipment, under adverse conditions, the concentrate may react strongly with powerful oxidising agents.

INCOMPATIBILITY: Avoid strong oxidising agents, zinc, tin, aluminum, copper and their alloys.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is unlikely to spontaneously decompose.

HAZARDOUS POLYMERIZATION: This product is unlikely to spontaneously polymerise.

11. TOXICOLOGICAL INFORMATION:

For Dicamba
- LD_{50} Oral (Rat) = 1707 mg/kg
- LD_{50} Dermal (Rat > 2000 mg/kg
- LC_{50} Inhalation (Rat) > 9.6 mg/L4hr

The ADI (Acceptable Daily Intake) for Dicamba is set at 0.3mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 3mg/kg/day.

For MCPA:
- LC_{50} Oral (Rat) 900 – 1160 mg/kg
- LD_{50} Oral (mouse) 550 mg/kg
- LD_{50} Dermal (Rat > 2000 mg/kg
- LC_{50} Inhalation (Rat) > 6.36 mg/L/4hr

The ADI for MCPA is set at 0.01mg/kg/day. The corresponding NOEL is set at 1.1mg/kg/day. (Values taken form Australian ADI List, May 1998)

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL DATA: Dicamba does not bind to soil particles and is highly soluble in water. It is therefore highly mobile in the soil and may contaminate groundwater.
ECOTOXICOLOGY:
Dicamba is
- Only slightly toxic to birds.
- Of low toxicity to fish.
- Not toxic to bees

When used according to the instructions, dicamba poses little threat to wildlife.

MCPA
- LC_{50} (rainbow trout) 232mg/L (96 hrs)
- Not toxic to bees

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Dispose of empty, used containers by;
(a) Triple rinsing with water. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.
(b) Breaking, crushing or puncturing the containers to prevent reuse.
(c) Disposing of in a local authority, bury landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 50cm of soil at a licensed/approved disposal site. DO NOT burn empty containers or product.

14. TRANSPORT INFORMATION:

ROAD AND RAIL TRANSPORT: Not classified as Dangerous Goods by the criteria of the Australian dangerous goods Code (ADG) for the transport by Road and Rail.

MARINE TRANSPORT: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods code (IMDG Code) for transport by sea.

AIR TRANSPORT: Not classified as dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

15. REGULATORY INFORMATION:

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POISON SCHEDULE: S6
Signal Word: POISON

This product is registered with the Australian Pesticides and Veterinary Medicines Authority.
APVMA number 55731

16. OTHER INFORMATION:

All information in this data sheet is provided in good faith and is believed to be correct. Each user should consider the information in this safety data sheet within the context of their particular application as Garrards Pty Ltd cannot anticipate or control conditions under which this product may be used. Garrards Pty Ltd will not be responsible for any damages arising out of the use or reliance upon the information in this safety data sheet. No expressed or implied warranties are given other than those implied mandatory by Commonwealth, State or Territory legislation.

Please read all labels carefully before use.

Contact: **Emergency Services**
Ph: 000

Poison Information Centre
Australia 13 11 26
New Zealand 03 474 7000