



Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

1 Identification

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE**Other Means of Identification:** Mixture**APVMA Approval Number:** 567727**Recommended Use of the Chemical and Restriction on Use:** Agricultural herbicide**Details of Manufacturer or Importer:**4Farmers Pty Ltd
70 McDowell Street
Welshpool WA 6106**Phone Number:** +61 8 9356 3446**Emergency telephone number:** National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.



GHS06 Skull and crossbones

Acute toxicity - inhalation – Category 3 H331 Toxic if inhaled.



GHS08 Health hazard

Reproductive toxicity – Category 2 H361d Suspected of damaging the unborn child.

Aspiration hazard – Category 1 H304 May be fatal if swallowed and enters airways.



GHS09 Environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Acute toxicity - oral – Category 4 H302 Harmful if swallowed.

Skin sensitisation – Category 1 H317 May cause an allergic skin reaction.

Flammable liquids – Category 4 H227 Combustible liquid.

Signal Word Danger**Hazard Statements**

H227 Combustible liquid.

H302 Harmful if swallowed.

H331 Toxic if inhaled.

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H304 May be fatal if swallowed and enters airways.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE

(Contd. of page 1)

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

- P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P321 Specific treatment (see on this label).
 P330 Rinse mouth.
 P331 Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 64742-94-5	Solvent naphtha (petroleum), heavy arom. ⚠️ Aspiration hazard – Category 1, H304	34.0%
CAS: 29450-45-1	MCPA 2-ethylhexyl ester ⚠️ Aquatic Chronic 1, H410; ⚠️ Acute toxicity - oral – Category 4, H302; Acute toxicity - dermal – Category 4, H312; Acute toxicity - inhalation – Category 4, H332	30.3%
CAS: 1689-99-2	Bromoxynil octanoate ⚠️ Acute toxicity - inhalation – Category 3, H331; ⚠️ Reproductive toxicity – Category 2, H361d; ⚠️ Aquatic Chronic 1, H410 (M=10); ⚠️ Acute toxicity - oral – Category 4, H302; Skin sensitisation – Category 1, H317	28.0%

Non Hazardous Components:

Other non-hazardous ingredients	7.7%
---------------------------------	------

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE

(Contd. of page 2)

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Toxic if inhaled. May cause weakness, headache, dizziness and nausea.

Skin Contact: Harmful in contact with skin. May cause skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: Harmful if swallowed. May cause weakness, headache, dizziness and nausea. May be fatal if swallowed and enters airways. If aspirated into the lung from vomiting, the presence of solvent may result in chemical pneumonitis or other lung damage.

5 Fire Fighting Measures

Suitable Extinguishing Media: Alcohol resistant foam, dry chemical powder and carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and nitrogen and other pyrolysis products. Combustible liquid.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved respiratory protection and full protective clothing. Evacuate all nonessential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight, heat, sparks, open flames and hot surfaces. Keep away from strong oxidising agents.

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE

(Contd. of page 3)

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Elbow-length PVC gloves, cotton overall buttoned to the neck and wrist, safety boots and a washable hat. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Clear brown
Odour:	Clear Brown
Odour Threshold:	No information available
pH-Value:	4-7
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	>150 °C
Flash Point:	70 °C
Flammability	Combustible Liquid.
Auto-ignition Temperature:	280 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density at 20 °C:	1.073-1.08 g/cm ³
Relative Density:	Not determined.
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Forms an emulsion in water
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Slightly viscous
Organic solvents:	
Physical state	Liquid

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE

(Contd. of page 4)

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.		
Oral	LD50	5,000 mg/kg (Rattus norvegicus (rat))
	LD50	2,000 mg/kg (Oryctolagus cuniculus (rabbit))
CAS: 29450-45-1 MCPA 2-ethylhexyl ester		
Oral	LD50	>1,300 mg/kg (Rattus norvegicus (rat))
CAS: 1689-99-2 Bromoxynil octanoate		
Oral	LD50	>141 mg/kg (Rattus norvegicus (rat))
		260 mg/kg (Oryctolagus cuniculus (rabbit))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	0.72-0.81 mg/l (Rattus norvegicus (rat))

Acute Health Effects**Inhalation:** May cause respiratory irritation.**Skin:** No irritating effect.**Eye:** No adverse health effects expected.**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Based on classification principles, the classification criteria are not met.**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: May be fatal if swallowed and enters airways.**Chronic Health Effects:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** No data available.**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for Bromoxynil' for a human is 0.003 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.3 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2024)

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Very toxic to aquatic life with long lasting effects.

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE

(Contd. of page 5)

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.	
EC50/48 h	12 mg/l (Daphnia magna (water flea))
EC50/72 h	2.5 mg/l (Skeletonema costatum (diatom))
LC50/96 h	45 mg/l (Pimephales promelas (fathead minnow))
CAS: 29450-45-1 MCPA 2-ethylhexyl ester	
EC50/48 h	0.29 mg/l (Daphnia magna (water flea))
EC50/72 h	0.11 mg/l (Skeletonema costatum (diatom))
LC50/96 h	117-232 mg/l (Oncorhynchus mykiss (rainbow trout))
CAS: 1689-99-2 Bromoxynil octanoate	
LC50	0.46 mg/l (Carassius auratus (goldfish))
	0.05 mg/l (Oncorhynchus mykiss (rainbow trout))

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number	UN3082
ADG, IMDG, IATA	
Proper Shipping Name	3082 ENVIRONMENTALLY HAZARDOUS
ADG	SUBSTANCE, LIQUID, N.O.S. (Bromoxynil)
IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bromoxynil)
Dangerous Goods Class	
ADG Class:	9
Packing Group:	
ADG, IMDG, IATA	III
Marine pollutant:	Symbol (fish and tree)
EMS Number:	F-A,S-F
Hazchem Code:	.3Z
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001 IBC03 LP01 R001
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1 TP29

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Date of issue: 04.05.2025

Revision date: 29.04.2025

Product Name: 4FARMERS BROMOXYNIL MA SELECTIVE HERBICIDE

(Contd. of page 6)

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 7

Australian Pesticides and Veterinary Medicines Authority:

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA approval number 567727.

16 Other Information

Date of Preparation or Last Revision: 29.04.2025**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable liquids – Category 4: Flammable liquids – Category 4

Acute toxicity - oral – Category 4: Acute toxicity – Category 4

Acute toxicity - inhalation – Category 3: Acute toxicity – Category 3

Skin sensitisation – Category 1: Skin sensitisation, Hazard Category 1

Reproductive toxicity – Category 2: Reproductive toxicity – Category 2

Aspiration hazard – Category 1: Aspiration hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - June 2023".

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Australia Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.