

Infosafe No™ 3NUY3	Issue Date : February 2022	ISSUED by NUFARM
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Product Name **Agtryne MA Herbicide**

Classified as hazardous

1. Identification

GHS Product Identifier	Agtryne MA Herbicide
Product Code	0783
Product Type	Group C I Herbicide
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000
Emergency phone number	1800 033 498 (24hr Australia)
E-mail Address	SDSANZ@nufarm.com
Recommended use of the chemical and restrictions on use	For the control of seedling broadleaf weeds in wheat, barley, some varieties of oats, pasture and sugar cane as specified in the Directions for Use table.
Other Information	www.nufarm.com.au

2. Hazard Identification

GHS classification of the substance/mixture	ED1 Eye Damage/Irritation: Category 1
Signal Word (s)	DANGER
Hazard Statement (s)	H318 Causes serious eye damage.
Precautionary statement – General	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.
Pictogram (s)	Corrosion



Precautionary statement – Prevention	P280 Wear protective gloves, clothing, eye and face protection.
Precautionary statement – Response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.
Other Information	Poisons Schedule S5

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Terbutryn	886-50-0	275 g/L
	MCPA (present as potassium salt)	94-74-6	160 g/L
	Other ingredients (considered non-hazardous)		10-30 %
	Propylene glycol	57-55-6	0-10 %

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered.
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Ingestion	Rinse mouth thoroughly with water. If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Hazards from Combustion Products	Non-combustible. If involved in a major fire, could evolve oxides of carbon or nitrogen.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Collect spilled material and waste in sealable open-top type containers for disposal. Dispose of at a landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.
Clean-up Methods - Large Spillages	Place damaged containers in recovery bins (if available) and return to manufacturer.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, well ventilated area out of direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	An exposure standard has been set for propylene glycol (particulates) at (TWA) 10 mg/m ³ .
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Respiratory Protection	Do not inhale spray mist.
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

9. Physical and chemical properties

Form	Liquid
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Appearance	Opaque yellow liquid
Odour	Amine odour
Solubility in Water	Disperses in water.
Specific Gravity	1.123
pH	8 - 10
Vapour Pressure	0.225 mPa @ 25°C for Terbutryn MCPA salt is not volatile.
Volatile Component	~40% (water)
Flammability	Non combustible material.

10. Stability and reactivity

Incompatible Materials	Reaction of the concentrate or spray mix with acids will precipitate solid MCPA and largely de-activate the product and cause blockages in spray equipment. Forms an alkaline solution with water which may corrode aluminium and zinc.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Acute Toxicity - Oral	LD50 (rat) 2500 mg/kg for terbutryn LD50 (rat) 700 mg/kg for MCPA
Acute Toxicity - Dermal	LD50 (rat) >2000 mg/kg for terbutryn LD50 (rat) >1000 mg/kg for MCPA
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >2.2 mg/l for terbutryn
Ingestion	The concentrate is of low toxicity if swallowed. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. May cause irritation to mouth, throat and stomach. Ingestion of the concentrate in relatively large amounts can result in liver, heart and kidney damage, unconsciousness and death.
Inhalation	The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. However, care should be taken to avoid the inhalation of excessive amounts of spray mist during field spraying, respiratory irritation may occur.
Skin	May irritate the skin. Prolonged contact with the concentrate may result in absorption of MCPA in harmful amounts.
Eye	The concentrate may cause severe irritation of the eyes unless washed off immediately.
Chronic Effects	Liver and kidney damage has been noted in laboratory animals that have been fed excessive doses of MCPA. Repeated exposure may cause allergic disorders.
Mutagenicity	In vitro and in vivo mutagenicity, genotoxicity and clastogenicity assay results indicate that terbutryn is not mutagenic. The weight of evidence indicates that MCPA does not present a mutagenic risk.
Other Information	The Australian Acceptable Daily Intake (ADI) for terbutryn for a human is 0.1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 10 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: Aust Govt Dept. of APVMA, 'ADI List', Edition 3/2021). ADI for MCPA is 0.01 mg/kg/day, NOEL 1.1 mg/kg/day.

12. Ecological information

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Persistence and degradability	Average field half life of terbutryn is 14 - 50 days. Average field half life of MCPA is <7 days.
Other Precautions	Do not contaminate dams, waterways or sewers with this product.
Acute Toxicity - Fish	The following is data for the active ingredient, terbutryn. LC50 (96hr) for rainbow trout is 3 mg/l. LC50 (96hr) for bluegill sunfish is 4 mg/l. The following is data for the ingredient, MCPA. LC50 (96hr) for rainbow trout is 232 mg/l.
Acute Toxicity - Algae	EC50 (72hr) for algae 0.0024 mg/l.
Acute Toxicity - Other Organisms	Not toxic to birds. Bees: Not toxic to bees. LD50 >100 µg/bee.

13. Disposal considerations

Product Disposal	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Container Disposal	Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

14. Transport information

Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail when in packs not exceeding 500 kg (L) or IBCs not exceeding 3000 kg (L) (Special Provision AU01) For bulk shipments as Class 9, use UN 3082, HazChem code 3Z.
UN Number (Sea Transport)	3082
IMO Class/Packing Group	Class 9/PG III
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Terbutryn)

15. Regulatory information

Regulatory Information	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Poisons Schedule	S5
Packaging & Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 51071.

16. Other Information

Date of preparation or last revision of SDS	18 February 2022
Revisions Highlighted	The MSDS was reviewed. Minor changes were made to the information. ...End Of MSDS...



Safety Data Sheet

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