



SAFETY DATA SHEET

Agtryne MA Herbicide

Infosafe No.: 3NUY3
ISSUED Date : 18/02/2022
ISSUED by: NUFARM AUSTRALIA LIMITED.

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)

Emergency Contact Name

www.nufarm.com.au

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.

Disclaimer

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 |
| Propylene glycol | 57-55-6 | 0-10 % |
| Other ingredients (considered non-hazardous) | | 10-30 % |

4. First-aid measures

Inhalation

Remove affected person to fresh air until recovered.

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

Wash affected areas thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

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.

On-site disposal of concentrate is not acceptable.

Dispose of at a landfill in accordance with local regulations.

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/m³.

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

| Properties | Description | Properties | Description |
|------------------|--|---------------------|----------------------|
| Form | Liquid | 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 - Inhalation

LC50 (rat) (4hr) >2.2 mg/l for terbutryn

Acute Toxicity - Dermal

LD50 (rat) >2000 mg/kg for terbutryn

LD50 (rat) >1000 mg/kg for MCPA

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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

Prolonged contact with the concentrate may result in absorption of MCPA in harmful amounts.

May irritate the skin.

Eye

The concentrate may cause severe irritation of the eyes unless washed off immediately.

Mutagenicity

The weight of evidence indicates that MCPA does not present a mutagenic risk.

In vitro and in vivo mutagenicity, genotoxicity and clastogenicity assay results indicate that terbutryn is not mutagenic.

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.

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

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

LC50 (96hr) for rainbow trout is 3 mg/l.

LC50 (96hr) for bluegill sunfish is 4 mg/l.

LC50 (96hr) for rainbow trout is 232 mg/l.

The following is data for the active ingredient, terbutryn.

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The following is data for the ingredient, MCPA.

Acute Toxicity - Algae

EC50 (72hr) for algae 0.0024 mg/l.

Acute Toxicity - Other Organisms

Bees: Not toxic to bees. LD50 >100 µg/bee.

Not toxic to birds.

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

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

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

IMDG Class/Packing Group

Class 9/PG III

IMDG Marine Pollutant (MP)

Marine Pollutant

IMDG 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

APVMA product number: 51071.

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA).

16. Other Information

Date of preparation or last revision of SDS

18 February 2022

User Codes

| User Title Label | User Codes |
|------------------|------------|
| Field 4 | N |

Revisions Highlighted

The MSDS was reviewed. Minor changes were made to the information.

END OF SDS

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