



Revision: 05-07-17
Original: 09-03-12

Donaghys Atrazine 500[®]

Page 1 of 7

Section 1 – Identification of the substance/preparation and the company

Product Name: Donaghys Atrazine 500[®]

Company: Donaghys Ltd.
16 Sheffield Crescent

Address: PO Box 20 449
Christchurch

Telephone Number: NZ 0800 942 006
AUS 1800 644 404

Recommended Use: Selective herbicide for the control of certain grass and broadleaf weeds in maize, sweet corn, established Lucerne and linseed.

Emergency Contact 0800 764 766 (National Poisons Centre)

Section 2 – Hazard Identification

Classified as hazardous according to criteria in the Hazardous Substances (minimum degrees of hazards) Regulations 2001

EPA NZ Approval Code: HSR000534

HSNO Classification

Hazard Classes: 6.1D, 6.9B, 9.1A, 9.2A, 9.3C



6.1D Substances that are acutely toxic – Harmful



6.9B Substances that are harmful to human target organs or systems



9.1A Substances that are very ecotoxic in the aquatic environment

9.2A Substances that are very ecotoxic in the soil environment

9.3C Substances that are harmful to terrestrial vertebrates

Hazard Statements

H302 Harmful if swallowed

H312 Harmful in contact with skin

H316 Causes mild skin irritation

H332 Harmful if inhaled

H373 May cause damage to organs

H400/410 Very toxic to aquatic life with long last effects

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National Poisons Centre 0800 POISON (0800 764 766) Ver: Atrazine500-Ver2

Revision: 05-07-17

Original: 09-03-12

Donaghys Atrazine 500[®]

Page 2 of 7

H421 Very toxic to the soil environment

H433 Harmful to terrestrial vertebrates

Prevention Statements (for more information see section 7)

P102 Keep out of reach of children

P103 Read Label before use

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P260 Do not breath dust, mist, or spray

P261 Avoid breathing dust, mist or spray

P264 Wash hands thoroughly after using

P270 Do not eat, drink, vape or smoke when using this product

P271 Use outdoors or in a well-ventilated area

P273 Avoid release to the environment

P280 Wear protective nitrile rubber gloves, protective overalls, chemical resistant safety glasses or full face protection

P281 Use personal protective equipment as required

Response Statements (for more information see section 4)

P101 If medical advice is needed, have product container or label at hand

P322 Specific first aid – see section 4

P330 Rinse mouth is ingested – see section 4

P363 Wash contaminated clothing before reuse

P301+312 If swallowed – call 0800 764 766 (national poison centre)

P304+340 If inhaled – Remove to fresh air and keep at rest in a position comfortable for breathing

P302+352 If on skin – wash with plenty of soap and water

Section 3 – Composition Information

Chemical	CAS No.	Content
Atrazine	1912-24-9	500 g kg ⁻¹

Balance made up of non-hazardous material
(ERMA New Zealand User Guide to the Thresholds and Classifications)

IN CASE OF EMERGENCY PHONE

National Poisons Centre 0800 POISON (0800 764 766) Ver: Atrazine500-Ver2



Revision: 05-07-17

Original: 09-03-12

Donaghys Atrazine 500[®]

Page 3 of 7

Section 4 – First Aid Measures

General	Never give anything by mouth to an unconscious person. Keep label or packaging available for emergency personal. Show this SDS to emergency personal if requested
If Swallowed:	DO NOT induce vomiting. Have person sip a glass of water if able to swallow. Get medical advice/attention immediately.
If in eyes:	Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Contact the national POISON CENTRE or medical practitioner.
If on skin:	Wash with plenty of soap and water. Wash contaminated clothing before reuse. Contact a medical practitioner if symptoms persist.
If inhaled:	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention. If person is not breathing, call 111 and request an ambulance.

POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

Flashpoint:	Not flammable
Combustion Products:	May give off toxic carbon monoxide, cyanides, and hydrogen chloride in a fire
Flammability Limits:	Not available
Protective Equipment:	Self-contained breathing apparatus, protective gloves and clothing
Extinguishing Media:	Foam, carbon dioxide, dry chemicals
HazChem Code	3Z
Special Fire Fighting Methods:	Prevent run off entering waterways



Revision: 05-07-17

Original: 09-03-12

Donaghys Atrazine 500[®]

Page 4 of 7

Section 6 – Accidental Release Measures

Small Spill (non-emergency personal)	
Spills and Disposal:	Absorb spill with an inert material and place in suitable labeled container. We recommend kitty litter.
Protective Equipment:	Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).
Environmental Precautions:	Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.
Large Spill (emergency personal)	
Spills and Disposal:	Absorb spill with an inert material and place in suitable labeled container. We recommend kitty litter.
Protective Equipment:	Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).
Environmental Precautions:	Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.
Prevention	Level 1 emergency management plans need to be in place for quantities between 0.1 and 1000 kg Level 2 emergency management plans need to be in place for all workplaces Level 3 emergency management plans need to be in place for quantities above 1000 kg

Section 7– Handling and Storage

Storage:	Store out of direct sunlight. Keep out of reach of children. Do not store near waterways. Do not store where damage may occur. Do not handle until all safety instructions have been read and understood.
Handling:	Wear eye / face protection. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Avoid unintended release to the environment.
Approved Handler	This product must be under the control of an approved handler at all times. For more information see Regulations 4-6 Hazardous substances (Personnel Qualifications) Regulations 2001.
Tracking regulations:	Do not apply
Record Keeping	Records of use as described in NZS 8409 Management of Agrichemicals must be kept where more than 3 kg of this product is used within 24 hours in a place where pesticide is likely to enter air or water and leave the application area.



Revision: 05-07-17
Original: 09-03-12

Donaghys Atrazine 500[®]

Page 5 of 7

Section 8 – Exposure Controls/Personal Protection

These precautions are suggested for conditions where the potential for exposure to the product exists. Emergency conditions may require additional precautions.

Exposure Limits: Workplace exposure - Time weighted average (TWA) 5 mg/m³
Tolerable Exposure Limits: (TEL): Not Available
Environmental Exposure Limits (EEL): Not available
Observe good work place practices and avoid contact with skin and eyes. To protect your skin and eyes, wear protective overalls, chemical resistant safety glasses and nitrile rubber gloves when handling. Wear eye / face protection. In case of inadequate ventilation, wear half mask filter respiration unit suitable for dust.

Protective Equipment:
Gloves
Wear nitrile rubber gloves with a minimum layer thickness of 0.11 mm. Break through time: 480 min This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards
Hygiene Precautions: Do not eat, drink or smoke when using this product. Be careful not to contaminate yourself when removing contaminated clothing.
Engineering Controls: Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of dust.

Section 9 – Physical and Chemical Properties

Appearance:	Creamy liquid
Odour	Not available
pH:	Not available
Vapour Pressure:	Not available
Vapour Density	Not available
Boiling Point:	100 °C (water)
Freezing/Melting point	Not available
Flash Point:	Not available
Solubility:	Soluble/dispersible in water
Specific Gravity:	1.10-1.30
Dissociation Constant (pK_a)	Not available

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Revision: 05-07-17

Original: 09-03-12

Donaghys Atrazine 500[®]

Page 6 of 7

Section 10 – Stability and Reactivity

Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	Avoid direct sunlight, avoid generation of dust and excessive heat
Materials to Avoid:	Incompatible with alkaline materials
Hazardous Decomposition Products:	May give off toxic carbon monoxide, cyanides, and hydrogen chloride in a fire

Section 11 – Toxicological Information

Oral LD₅₀:	Rat > 3000 mg kg ⁻¹
Inhalation LC₅₀:	Rat > 5.8 mg L ⁻¹
Dermal:	Slight irritation
Ocular:	Mild irritation
Carcinogenicity:	Not suspected as a human carcinogen
Reproductive toxicity	No conclusive evidence
Genotoxicity	Not genotoxic.
Neurotoxicity	No subchronic neurotoxicity. No neurodevelopmental toxicity.

Section 12 - Ecological Information

EPA Classification:	9.1A, 9.3C
Aquatic toxicity:	Very toxic to the aquatic environment
Vertebrate toxicity	Substances that are harmful to terrestrial vertebrates
Invertebrate toxicity	Substances that are harmful to terrestrial invertebrates
Bioaccumulation	Strong evidence to show that atrazine can be bioaccumulated in aquatic, vertebrate and invertebrate species.
Atmospheric toxicity	No risk of atmospheric toxicity

Atrazine is persistent in soil for up to 18 years

Section 13 – Disposal Considerations

Product Disposal:	When empty, triple rinse container and add residues to spray tank. Dispose of empty container at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container. Do not re-use container
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Revision: 05-07-17

Original: 09-03-12

Donaghys Atrazine 500[®]

Page 7 of 7

Section 14 – Transport Information

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S (Contains 50 % 2-Chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine))
UN Number:	3077
DG Class:	9
Subsidiary Risk Class:	N/A
Packing Group:	III
HAZCHEM Code:	2X

Section 15 – Regulatory Information

EPA NZ Registration Code:	HSR000534
ACVM Approval Number:	P008693
Approved handler:	Not required
Tracking requirements:	Not required

Section 16 – Other Information

The information in this SDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)