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Donaghys Atrazine 500[®]

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

Product Name	Donaghys Atrazine 500 [®]
Company	Donaghys Ltd.
Address	16 Sheffield Crescent 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



6.1D Acutely toxic – Harmful.



6.9B Harmful to human target organs or systems.



9.1A Ecotoxic in the aquatic environment

9.2A Very ecotoxic in the soil environment

9.3C 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.
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.
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- 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 breathe 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 if 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

Table with 3 columns: Chemical, CAS No., Content. Row 1: Atrazine, 1912-24-9, 500 g kg⁻¹

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

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.



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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.

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.

Section 6 – Accidental Release Measures

Small Spill (non-emergency personal)

Spills and Disposal	Absorb spill with an inert material such as sand, sawdust or clay and place in suitable labeled container.
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 such as sand, sawdust or clay and place in suitable labeled container.
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.



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Level 3 emergency management plans need to be in place for quantities above 1000 kg.

See Hazardous Substances (Emergency Management) Regulations 2001.

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.

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/m ³ 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.



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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.

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.



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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 is harmful to terrestrial vertebrates.
Invertebrate toxicity	Substances that is 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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Section 14 – Transport Information

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Contains 50 % 2-Chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine)).
UN Number	3082.
DG Class	9.
Subsidiary Risk Class	N/A.
Packing Group	III.
HAZCHEM Code	3Z.

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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. For more information please contact Donaghys Ltd.

DONAGHYS NZ	: 0800 942 006
DONAGHYS AUSTRALIA	: 1800 644 404
POLICE, AMBULANCE & FIRE SERVICE	: 111
NATION POISON INFORMATION CENTRE	: 0800 POSION (0800 764 766)
HAZARDOUS SUBSTANCES EMERGENCY	: 0800 CHEMCALL (0800 243 622)