

**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:** 0800 942 006  
**Manufacturer Product Code:** AGAT0020 / AGAT1000  
**Recommended Use:** Selective herbicide for the control of certain grass and broadleaf weeds in maize, sweet corn, established Lucerne and linseed.

**Section 2 – Hazard Identification**

**GHS Classifications:** Acute oral toxicity Category 4  
Specific target organ toxicity – repeated exposure Category 2  
Hazardous to the aquatic environment acute Category 1  
Hazardous to the aquatic environment chronic Category 1  
Hazardous to soil organisms  
Hazardous to terrestrial vertebrates

**GHS Pictograms:**



**Hazard Statements:** H302 Harmful if swallowed  
H373 May cause damage to organs through prolonged or repeated exposure  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects  
Hazardous to soil organisms  
Hazardous to terrestrial vertebrates

**Prevention Statements:** P103 Read label before use  
P260 Do not breathe fume/gas/mist/vapours/spray  
P264 Wash hands thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P273 Avoid release to the environment

**Response Statements:** P101 If medical advice is needed, have product container or label at hand.  
P330 Rinse mouth.  
P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.  
P314 Get medical advice/attention if you feel unwell.  
P391 Collect spillage.

**Signal Word:** WARNING

**EPA NZ Approval Code:** HSR000534

**IN CASE OF EMERGENCY PHONE**

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

**Section 3 – Composition Information**

Chemical Entity	CAS No.	Content [%]
Atrazine	1912-24-9	500 g kg <sup>-1</sup>

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

**Section 4 – First Aid Measures**

<b>If swallowed:</b>	NEVER give anything by mouth to an unconscious person. Rinse Mouth. Do NOT induce vomiting. Immediately call the National POISON CENTRE (0800 764 766) or doctor/physician if you feel unwell.
<b>If in eyes:</b>	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>If on skin:</b>	Take off contaminated clothing and wash before re-use. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
<b>If inhaled:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Call the National POISON CENTRE (0800 764 766) or doctor/physician if you feel unwell.

**Advice to Doctor:** Treat symptomatically. No known specific antidote.

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

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

**Section 5 – Fire-fighting Measures**

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

**Section 6 – Accidental Release Measures****Small Spill (non-emergency personnel)**

<b>Spills and Disposal:</b>	Absorb spill with an inert material and place in suitable labelled container. We recommend kitty litter.
<b>Protective Equipment:</b>	Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).
<b>Environmental Precautions:</b>	Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.

**IN CASE OF EMERGENCY PHONE**

**National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)**



### **Large Spill (emergency personnel)**

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

## **Section 7– Handling and Storage**

<b>Storage:</b>	<p>Store out of direct sunlight.</p> <p>Keep out of reach of children.</p> <p>Do not store near waterways.</p> <p>Do not store where damage may occur.</p> <p>Do not handle until all safety instructions have been read and understood.</p>
<b>Handling:</b>	<p>Wear eye / face protection.</p> <p>In case of inadequate ventilation wear respiratory protection.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Avoid unintended release to the environment</p>
<b>Approved Handler:</b>	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.
<b>Tracking regulations:</b>	Do not apply
<b>Record Keeping:</b>	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.**

Workplace exposure - Time weighted average (TWA) 5 mg/m<sup>3</sup>

**Exposure Limits:**

Tolerable Exposure Limits (TEL): Not Available  
Environmental Exposure Limits (EEL): Not available  
Protective Equipment: Observe good workplace 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**

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

**IN CASE OF EMERGENCY PHONE**

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

**Section 10 – Stability and Reactivity**

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

**Section 11 – Toxicological Information**

<b>Oral LD<sub>50</sub>:</b>	Rat > 3000 mg kg <sup>-1</sup>
<b>Inhalation LC<sub>50</sub>:</b>	Rat > 5.8 mg L <sup>-1</sup>
<b>Dermal:</b>	Slight irritation
<b>Ocular:</b>	Mild irritation
<b>Carcinogenicity:</b>	Not suspected as a human carcinogen
<b>Reproductive toxicity:</b>	No conclusive evidence
<b>Genotoxicity:</b>	Not genotoxic
<b>Neurotoxicity:</b>	No sub chronic neurotoxicity. No neurodevelopmental toxicity.

**Section 12 - Ecological Information**

<b>EPA Classification:</b>	Very toxic to aquatic life Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms Hazardous to terrestrial vertebrates
<b>Aquatic toxicity:</b>	Very toxic to the aquatic environment
<b>Vertebrate toxicity:</b>	Substances that are harmful to terrestrial vertebrates
<b>Invertebrate toxicity:</b>	Substances that are harmful to terrestrial invertebrates
<b>Bioaccumulation:</b>	Strong evidence to show that atrazine can be bioaccumulated in aquatic, vertebrate and invertebrate species.
<b>Atmospheric toxicity:</b>	No risk of atmospheric toxicity
<b>Atrazine is persistent in soil for up to 18 years</b>	

**Section 13 – Disposal Considerations**

<b>Product and Container Disposal:</b>	Triple rinse empty container and add rinsate to spray the tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues (liquid or dry) and have an intact legible label may be taken to an Agrecovery collection site. Otherwise crush or puncture and bury in a suitably approved landfill. Do not burn empty containers. Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources. Avoid contamination of any water supply with product or empty container. Do not re-use container.
--	---

**IN CASE OF EMERGENCY PHONE****National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)**



SDS Atrazine 500	Date: 30/04/2025	Version No: 2.0	Page 6 of 6
------------------	------------------	-----------------	-------------

#### Section 14 – Transport Information

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

#### Section 15 – Regulatory Information

<b>EPA NZ Registration Code:</b>	HSR000534 See <a href="http://www.epa.govt.nz">http://www.epa.govt.nz</a> for approval conditions
<b>NZFSA Approval Number:</b>	P008693 See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions

#### Section 16 – Other Information

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

**EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)**

**IN CASE OF EMERGENCY PHONE**  
**National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)**