



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

Product Name: Donaghys Tron
Company: Donaghys Ltd.
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: NZ 0800 942 006 or AUS 1800 644 404
Manufacturer Product Code: AGMMXXXX
Recommended Use: Post emergence use in red beet, fodder beet, sugar beet and mangolds

Section 2 – Hazard Identification

Hazard Classes:



Acute oral toxicity Category 2
Acute dermal toxicity Category 2
Acute inhalation toxicity 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

Hazard Statements:

Fatal if swallowed.
Fatal in contact with skin.
Fatal if inhaled.
Very toxic to aquatic life.
Very toxic to the soil environment.
Harmful to terrestrial vertebrates.

Prevention Statements:

Keep out of reach of children.
Read label before use.
Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Wear respiratory protection.
Avoid release to the environment.

Signal Word Danger
EPA NZ Approval Code: HSR100753

Section 3 – Composition Information

Chemical Entity	CAS No.	Composition
Metamitron	41394-05-2	700g/L
Inert Ingredients	Trade Secret	To 100%



Section 4 – First Aid Measures

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

General	Keep label or packaging available for emergency personal. Show this SDS to emergency personal if requested.
If Swallowed	If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.
If in eyes	If splashed in eyes, wash out immediately with water for at least 15 minutes. If irritation persists, get medical advice.
If on skin	If skin contact occurs, remove contaminated clothing and flush skin with running water. If irritation occurs, seek medical advice.
If inhaled	If inhaled, move the victim to fresh air immediately. Never give anything by mouth to an unconscious person.

National Poisons Centre 24 hours phone: 0800 POISON (0800 764 766)

Section 5 – Fire-fighting Measures

Flashpoint	N/A
Combustion Products	During a fire toxic fumes may be emitted
Flammability Limits	N/A
Protective Equipment	Self-contained breathing apparatus, protective gloves and clothing
Extinguishing Media	Dry chemical, water spray, carbon dioxide
HazChem Code	3Z

Section 6 – Accidental Release Measures

Spills and Disposal	Exclude all bystanders from the vicinity of the spill and prevent material from entering the waterways. When dealing with spills wear personal protective clothing and equipment as described in the Personal protection section. Sweep up spilt material and place in waste containers. Absorb liquid spills with an inert material such as sand, synthetic absorbent substance, earth and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of waste safely in appropriate landfill. Avoid contamination of drains, streams, watercourses etc. If unavoidable warn the local water authority.
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.

IN CASE OF EMERGENCY PHONE

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



Section 7– Storage & Handling

Storage

Store in original packaging tightly closed and in a locked, dry, well ventilated area away from foodstuffs.
When stored according to recommendations this product should not show signs of degradation for at least two years from the date of manufacture.
Keep out of reach of children.
Do not store near waterways. Do not store where damage may occur.

Handling

Do not handle until all safety instructions have been read and understood.
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

Records of use required

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. Observe good work place practices and avoid contact with skin and eyes.

Protective Equipment

When mixing or applying wear appropriate clothing including impervious elbow length gloves, hat, boots, overalls and suitable respiratory and eye protection.
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 Precaution:

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.

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Section 9 – Physical and Chemical Properties

Form	Liquid
Appearance - colour	White to light Brown
Odour	Not available
pH	6 - 9
Flash point °C	N/A
Flammability limits	N/A
Oxidising properties	N/A
Explosive properties	N/A

Section 10 – Stability and Reactivity

Stability	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility	None known
Hazardous Decomposition Products	Combustion or thermal decomposition will evolve toxic and irritant vapours
Dangerous Reactions	Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable

Section 11 – Toxicological Information

Ingestion	Not known – no cases of human poisoning reported
Eye	Not irritant
Skin	Not irritant
Inhalation	Not known – no cases of human poisoning reported
Acute Toxicity (Active ingredient)	Acute Oral LD ₅₀ (rats) : 2950 mg/kg Acute Dermal LD ₅₀ (rats) : >5000mg/kg Acute inhalation LC ₅₀ (rats) (4hrs) : > 1.418 mg/l
Sensitisation effects	N/A
Carcinogenic effects	NOEL (rat) = 250 mg/kg/day (2 years); NOEL (mice) = 56 mg/kg/day (2 years)
Reproductive effects	None
Teratogenic (Birth) effects	None
Systemic effects	None

Section 12 – Ecological Information

EPA Classification	Acute oral toxicity Category 2 Acute dermal toxicity Category 2 Acute inhalation toxicity 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
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

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Section 13 – Disposal Considerations

Product Disposal

Dispose packaging according to the label or at an approved landfill or other approved facility.

Packaging Disposal

Ensure the packaging is empty. Crush and bury in a suitable landfill Or at an approved landfill. DO NOT reuse packaging.

Section 14 – Transport Information

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Contains Metamitron)

UN Number

3082

DG Class:

9

Subsidiary Risk Class

N/A

Packing Group

III

HAZCHEM Code

3Z

Transport pictogram



**Additional Information
MTQ (Non Commercial)**

Marine pollutant
250 L

Section 15 – Regulatory Information

EPA NZ Registration Code

HSR100753

Approved handler

Required

Tracking requirements

Required

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)

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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)