



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

Product Name	Country Mile Brush Kill
Manufacturer	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.
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 HSR002485

HSNO Classification



6.1D Acutely toxic – harmful.



6.3B Mildly irritating to the skin.

6.4A Irritating to the eye.

6.5B Contact sensitizer.



6.9B Harmful to human target organs or systems.

9.1A Very ecotoxic to the aquatic environment.

9.1B Ecotoxic to the aquatic environment.

9.2A Very ecotoxic to the soil environment.

9.3C Harmful to the terrestrial vertebrates.

Hazard Statements

H332	Harmful in inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H316	Causes mild skin irritation.
H317	May cause allergic skin reaction.
H371/373	May cause damage to organs through prolonged or repeated exposure.
H400/410	Very toxic to aquatic life with long lasting effects.



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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.

P261 Avoid breathing fume/mist/vapours or spray.

P271 Use only outdoors or in a well ventilated area.

P264 Wash hands thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective glove, clothing and eyes/face protection.

Response Statements (for more information see section 4)

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

P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P309+P311 If exposed or feel unwell. Call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P322 For specific measures see section 4.

P330 Rinse mouth.

P332+313 If skin irritation occurs: Get medical advice/attention.

P337+313 If eye irritation persists: Get medical advice.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.



Section 3 – Composition Information

Chemical	CAS No.	Content
Triclopyr Butoxyethyl ester	64700-56-7	300g/L a.i.
Triisopropanolamine picloram	6753-47-5	100g/L a.i.
Other ingredients		To volume.

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. Never give mouth to mouth to a poisoning victim – use a pocket mask to protect yourself.
If Swallowed	DO NOT induce vomiting. Contact the national POISON CENTRE or medical practitioner immediately. If unresponsive, call 111 and request an ambulance.
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 immediately.
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.
Advice for medical personal	Treat according to symptoms. There are no specific antidotes. Seizures may develop with very high dosages. Protect airways.

Section 5 – Fire-fighting Measures

Flashpoint	>96 °C.
Combustion Products	May give off toxic nitrogen and carbon oxides.
Flammability Limits	No available.
Protective Equipment	Self-contained breathing apparatus, protective gloves and clothing.
Extinguishing Medi	Water fog, Foam, carbon dioxide, dry chemicals.
HazChem Code	3Z.
Special Fire Fighting Methods	Prevent run off entering waterways.

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Section 6 – Accidental Release Measures

IMPORTANT: Isolate all ignition sources and naked lights. Use non-sparking utensils.

Small Spill (non-emergency personal)

Spills and Disposal

Absorb spill with an inert material such as soil, sand, sawdust and place in suitable labeled container. For final cleaning up, a detergent based solvent may be required. DO NOT wash down drain.

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, soil, sawdust and place in suitable labeled container. For final cleaning up, a detergent based solvent may be required. DO NOT wash down drain.

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 5 L.

Level 2 emergency management plans need to be in place for all workplaces and or quantities between 5 L and 100 L.

Level 3 emergency management plans need to be in place for quantities above 100 L.

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 store where it may be accidentally used.
 Store in original container with all labels intact and legible.
 Store away from food, fertilisers, and seeds and in accordance with NZS 8409: Management of Agrichemicals.
 Do not store with classes: 1, 2, 3.2, 4, and or 5
 Stores with >500 L, require at least two full size fire extinguishers.
 Stores containing >100 L, require secondary containment.

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Handling	<p>Do not handle until all safety instructions have been read and understood.</p> <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> <p>Must be under the control of an approved handler.</p>
Approved Handler	<p>This hazardous substance must be under the personal control of and approved handler when the substance is applied in a wide dispersive manner; or used by a commercial contractor.</p> <p>For more information see Regulations 4-6 Hazardous substances (Personnel Qualifications) Regulations 2001.</p>
Tracking regulations	<p>Do not apply.</p>
Record Keeping	<p>Records of use as described in NZS 8409 Management of Agrichemicals must be kept where more than 3 L 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.</p>

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	<p>Workplace exposure - Not Available</p> <p>Tolerable Exposure Limits (TEL): Not Available</p> <p>Environmental Exposure Limits (EEL): Not available</p> <p>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 the conditions. Do not use in an irrespirable atmosphere.</p>
Protective Equipment	<p>Gloves Wear nitrile rubber gloves with a minimum layer thickness of 0.11 mm. 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.</p> <p>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.</p>
Hygiene Precautions	<p>Do not eat, drink or smoke when using this product. Be careful not to contaminate yourself when removing contaminated clothing.</p>
Engineering Controls	<p>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.</p>



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Section 9 – Physical and Chemical Properties

Appearance	Brown liquid
Odour	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Boiling Point	Not available
Freezing/Melting point	Not available
Flash Point	96 °C
Solubility	Emulsifies in water
Density	1.1-1.3 g mL ⁻¹
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	Oxidizers.
Hazardous Decomposition Products	May give off toxic nitrogen and carbon oxides in a fire.

Section 11 – Toxicological Information

Oral LD₅₀	LC ₅₀ 803 mg kg ⁻¹ Triclopyr butoxyethanol ester. LC ₅₀ 1061 mg kg ⁻¹ Picloram. LC ₅₀ >1000 mg kg ⁻¹ Triisopropanol amine.
Inhalation LC₅₀	Irritating >4.98 mg L ⁻¹ 4 hr ⁻¹
Dermal	Irritant.
Ocular	Irritant.
Carcinogenicity	Country Mile Brush Kill is not suspected of being carcinogenic.
Reproductive toxicity	Country Mile Brush Kill is not suspected of being a reproductive toxin.
Genotoxicity	Country Mile Brush Kill is not suspected of being genotoxic.
Neurotoxicity	Country Mile Brush Kill is not suspected of having subchronic neurotoxicity. Country Mile Brush Kill is not suspected of having neurodevelopmental toxicity.

IN CASE OF EMERGENCY PHONE
National Poisons Centre 0800 POISON (0800 764 766)

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Section 12 - Ecological Information

EPA Classification	9.1A, 9.2A, 9.3C.
Aquatic toxicity	Country Mile Brush Kill is very toxic to aquatic species.
Vertebrate toxicity	Country Mile Brush Kill is very toxic to terrestrial species.
Invertebrate toxicity	Country Mile Brush Kill is potentially harmful to the invertebrate species.
Soil toxicity	Country Mile Brush Kill is very toxic to the soil environment.
Bioaccumulation	Picloram – no evidence to suggest accumulation Triclopyr – low risk of being able to accumulate in organisms Triisopropanol amine - low risk of being able to accumulate in organisms.
Atmospheric toxicity	Due to the low vapour pressure of the components, Country Mile Brush Kill is not expected to be present in the atmosphere.
General	Do not allow uncontrolled release into the environment. Do not use where bees are foraging.

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: Triclopyr 30% as butoxyethyl ester, picloram 10% as triisopropanolamine salt)
UN Number	3082
DG Class	9
Packing Group	III
HAZCHEM Code	3Z
Tracking requirements	Not required.
Tracking requirements	Not required.

Section 15 – Regulatory Information

EPA NZ Registration Code	HSR002485
ACVM Approval Number	P009951

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Approved handler

This hazardous substance must be under the personal control of an approved handler when the substance is applied in a wide dispersive manner; or used by a commercial contractor. For more information see Regulations 4-6 Hazardous substances (Personnel Qualifications) Regulations 2001.

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)

IN CASE OF EMERGENCY PHONE

National Poisons Centre 0800 POISON (0800 764 766)

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