



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

Product Name: Donaghys Brushweed Kill Tripic
Company: Donaghys Ltd.
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AGBP0020 / AGBP0100
Recommended Use: Selective herbicide.

Section 2 – Hazard Identification

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

GHS Pictogram:



Hazard Statements:
H302 Harmful if swallowed
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects
Hazardous to soil organisms
Hazardous to terrestrial vertebrates

Prevention Statements:
P102 Keep out of reach of children
P103 Read label before use
P260 Do not breathe fume/gas/mist/vapours/spray
P261 Avoid breathing fume/gas/mist/vapours/spray
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 gloves/protective clothing/eye protection/face protection



Response Statements:

P101	If medical advice is needed, have product container or label at hand.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

Signal Word: WARNING

EPA NZ Approval Code: HSR002485

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 personnel. Show this SDS to emergency personnel if requested. Never give mouth to mouth to a poisoning victim – use a pocket mask to protect yourself.

If swallowed: Rinse mouth. 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 several 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. If skin irritation or rash occurs: Get medical advice/ attention.

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 personnel: Treat according to symptoms. There are no specific antidotes. Seizures may develop with very high dosages. Protect airways.

If medical advice is needed, have product container or label at hand.
POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

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



Section 5 – Fire-fighting Measures

Flashpoint:	>96 °C
Combustion Products:	May give off toxic nitrogen and carbon oxides
Flammability Limits:	Not available
Protective Equipment:	Self-contained breathing apparatus, protective gloves and clothing
Extinguishing Media:	Water fog, Foam, carbon dioxide, dry chemicals
HazChem Code:	3Z
Special Fire Fighting Methods:	Prevent run off entering waterways

Section 6 – Accidental Release Measures

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

Small Spill (non-emergency personnel)

Spills and Disposal:	Collect spillage. 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 the 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 personnel)

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 the drain.
Protective Equipment:	Wear protective nitrile rubber gloves, face/eye protection and an 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.
- 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.
Must be under the control of an approved handler.
- Approved Handler:** 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.
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 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.

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 - Not Available
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 the conditions. Do not use in an irrespirable atmosphere.

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



Protective Equipment:
(Continued)

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.

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:	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:	Brushweed Kill Tripic is not suspected of being carcinogenic
Reproductive toxicity:	Brushweed Kill Tripic is not suspected of being a reproductive toxin
Genotoxicity:	Brushweed Kill Tripic is not suspected of being genotoxic
Neurotoxicity:	Brushweed Kill Tripic is not suspected of having sub chronic neurotoxicity. Brushweed Kill Tripic is not suspected of having neurodevelopmental toxicity.

Section 12 - Ecological Information

EPA Classification:	Hazardous to the aquatic environment chronic Category 1 Hazardous to the aquatic environment chronic Category 2 Hazardous to soil organisms Hazardous to terrestrial vertebrates
Aquatic toxicity:	Brushweed Kill Tripic is very toxic to aquatic species.
Vertebrate toxicity:	Brushweed Kill Tripic is very toxic to terrestrial species.
Invertebrate toxicity:	Brushweed Kill Tripic is potentially harmful to the invertebrate species.
Soil toxicity:	Brushweed Kill Tripic 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, Brushweed Kill Tripic 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 and container 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 See http://www.epa.govt.nz for approval conditions
ACVM Approval Number:	P007978 See www.foodsafety.govt.nz for registration conditions
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
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)