



**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** 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**

- |  |             |  |
|--|-------------|--|
|  | <b>6.1D</b> | Acutely toxic – harmful.                   |
|  | <b>6.3B</b> | Mildly irritating to the skin.             |
|  | <b>6.4A</b> | Irritating to the eye.                     |
|  | <b>6.5B</b> | Contact sensitizer.                        |
|  | <b>6.9B</b> | Harmful to human target organs or systems. |
|  | <b>9.1A</b> | Very ecotoxic to the aquatic environment.  |
|  | <b>9.1B</b> | Ecotoxic to the aquatic environment.       |
|  | <b>9.2A</b> | Very ecotoxic to the soil environment.     |
|  | <b>9.3C</b> | 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.

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

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### Section 4 – First Aid Measures

<b>General</b>	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.
<b>If Swallowed</b>	DO NOT induce vomiting. Contact the national POISON CENTRE or medical practitioner immediately. If unresponsive, call 111 and request and ambulance.
<b>If in eyes</b>	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.
<b>If on skin</b>	Wash with plenty of soap and water. Wash contaminated clothing before reuse. Contact a medical practitioner if symptoms persist.
<b>If inhaled</b>	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.
<b>Advice for medical personal</b>	Treat according to symptoms. There are no specific antidotes. Seizures may develop with very high dosages. Protect airways.

### Section 5 – Fire-fighting Measures

<b>Flashpoint</b>	>96 °C.
<b>Combustion Products</b>	May give off toxic nitrogen and carbon oxides.
<b>Flammability Limits</b>	No available.
<b>Protective Equipment</b>	Self-contained breathing apparatus, protective gloves and clothing.
<b>Extinguishing Medi</b>	Water fog, 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**

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

	<p><b>Small Spill (non-emergency personal)</b></p> <p>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.</p>
<b>Spills and Disposal</b>	
<b>Protective Equipment</b>	<p>Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).</p>
<b>Environmental Precautions</b>	<p>Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.</p>
	<p><b>Large Spill (emergency personal)</b></p> <p>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.</p>
<b>Spills and Disposal</b>	
<b>Protective Equipment</b>	<p>Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).</p>
<b>Environmental Precautions</b>	<p>Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.</p>
<b>Prevention</b>	<p><b>Level 1</b> emergency management plans need to be in place for quantities between 0.1 and 5 L. <b>Level 2</b> emergency management plans need to be in place for all workplaces and or quantities between 5 L and 100 L. <b>Level 3</b> emergency management plans need to be in place for quantities above 100 L.</p>

See Hazardous Substances (Emergency Management) Regulations 2001.

**Section 7– Handling and Storage**

<b>Storage</b>	<p>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 &gt;500 L, require at least two full size fire extinguishers. Stores containing &gt;100 L, require secondary containment.</p>
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<b>Handling</b>	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.
<b>Approved Handler</b>	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.
<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 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.**

<b>Exposure Limits</b>	Workplace exposure - Not Available 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 the conditions. Do not use in an irrespirable atmosphere.
<b>Protective Equipment</b>	<b>Gloves</b> 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. <b>Respiratory protection</b> 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.
<b>Hygiene Precautions</b>	Do not eat, drink or smoke when using this product. Be careful not to contaminate yourself when removing contaminated clothing.
<b>Engineering Controls</b>	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.



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### Section 9 – Physical and Chemical Properties

<b>Appearance</b>	Brown liquid
<b>Odour</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Boiling Point</b>	Not available
<b>Freezing/Melting point</b>	Not available
<b>Flash Point</b>	96 °C
<b>Solubility</b>	Emulsifies in water
<b>Density</b>	1.1-1.3 g mL <sup>-1</sup>
<b>Dissociation Constant (pK<sub>a</sub>)</b>	Not available

### 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>	Oxidizers.
<b>Hazardous Decomposition Products</b>	May give off toxic nitrogen and carbon oxides in a fire.

### Section 11 – Toxicological Information

<b>Oral LD<sub>50</sub></b>	LC <sub>50</sub> 803 mg kg <sup>-1</sup> Triclopyr butoxyethanol ester. LC <sub>50</sub> 1061 mg kg <sup>-1</sup> Picloram. LC <sub>50</sub> >1000 mg kg <sup>-1</sup> Trisopropanol amine.
<b>Inhalation LC<sub>50</sub></b>	Irritating >4.98 mg L <sup>-1</sup> 4 hr <sup>-1</sup>
<b>Dermal</b>	Irritant.
<b>Ocular</b>	Irritant.
<b>Carcinogenicity</b>	Brushweed Kill Tripic is not suspected of being carcinogenic.
<b>Reproductive toxicity</b>	Brushweed Kill Tripic is not suspected of being a reproductive toxin.
<b>Genotoxicity</b>	Brushweed Kill Tripic is not suspected of being genotoxic.
<b>Neurotoxicity</b>	Brushweed Kill Tripic is not suspected of having subchronic neurotoxicity. Brushweed Kill Tripic is not suspected of having neurodevelopmental toxicity.



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### Section 12 - Ecological Information

<b>EPA Classification</b>	9.1A, 9.2A, 9.3C.
<b>Aquatic toxicity</b>	Brushweed Kill Tripic is very toxic to aquatic species.
<b>Vertebrate toxicity</b>	Brushweed Kill Tripic is very toxic to terrestrial species.
<b>Invertebrate toxicity</b>	Brushweed Kill Tripic is potentially harmful to the invertebrate species.
<b>Soil toxicity</b>	Brushweed Kill Tripic is very toxic to the soil environment.
<b>Bioaccumulation</b>	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.
<b>Atmospheric toxicity</b>	Due to the low vapour pressure of the components, Brushweed Kill Tripic is not expected to be present in the atmosphere.
<b>General</b>	Do not allow uncontrolled release into the environment. Do not use where bees are foraging.

### Section 13 – Disposal Considerations

<b>Product Disposal</b>	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

<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Contains: Triclopyr 30% as butoxyethyl ester, picloram 10% as triisopropanolamine salt)
<b>UN Number</b>	3082
<b>DG Class</b>	9
<b>Packing Group</b>	III
<b>HAZCHEM Code</b>	3Z
<b>Tracking requirements</b>	Not required.
<b>Tracking requirements</b>	Not required.

