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Donaghys Broadleaf Kill MCPA

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1. PRODUCT AND COMPANY IDENTIFICATION

Product: Donaghys Broadleaf Kill MCPA
Company: Donaghys Industries Ltd
Address: 2 Nazareth Ave, PO Box 20449, Christchurch
Telephone Number: 0800 942 006
Emergency Telephone Number (24/7): National Poisons Centre 0800 POISON (764 766)
Chemical family: Phenoxy acetic
Manufacturer's Product Code:
Use: Selective herbicide

2. HAZARDS IDENTIFICATION

Hazard classes:

- 6.1D WARNING - Harmful if swallowed
- 6.9A DANGER – Causes damage to organs through prolonged or repeated exposure
- 8.3A DANGER – Causes severe skin burns and eye damage
- 9.1A Very toxic to aquatic organisms
- 9.2A Very toxic to the soil environment
- 9.3C Harmful to terrestrial vertebrates

ERMA NZ approval code: HSR000418

3. COMPOSITION

<u>Chemical Entity</u>	<u>CAS #</u>	<u>Proportion</u>
MCPA Potassium Salt	5221-16-9	375g/L
Other non-hazardous ingredients		Balance

4. FIRST AID INFORMATION

Ingestion: IF SWALLOWED: DO NOT induce vomiting. Give a glass of water and rinse mouth. Seek medical advice: Call a Poison Centre or Doctor / Physician if you feel unwell.

Eye contact: IF IN EYES: Rinse cautiously for 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a Poison Centre or Doctor / Physician. If medical advice is needed, have product container or label at hand.

IN CASE OF EMERGENCY PHONE

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

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- Skin contact:** Remove contaminated clothing and wash skin with plenty of soap and water. Wash clothing before reuse. Immediately call a Poison Centre or Doctor / Physician. If medical advice is needed, have product container or label at hand.
- Inhalation:** May be harmful if inhaled. Do not breathe mist or spray. If ill-effects occur move to fresh air. IF EXPOSED or if you feel unwell, call a Poison Centre or Doctor / Physician.
- Advice to Doctor:** Treat according to symptoms. No specific antidote.

5. FIRE FIGHTING MEASURES

- Flashpoint:** None
- Flammable limits:** None
- Extinguishing media:** Dry chemical, water spray/foam, foam or CO₂
- Special fire fighting methods:** May release smoke or toxic vapors. Self-contained breathing apparatus required. Do not allow runoff to enter drains. Contain contaminated extinguishing water. Wear positive pressure self-contained, breathing apparatus and full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

- Personal Protection:** For appropriate personal protection equipment, refer section 8.
- Spills and Disposal:** Avoid contact with the spilled material or contaminated surfaces. Absorb spilled material using soil, absorbent granules etc. In case of large spills, dike and pump as much possible in salvage containers. Label and seal containers for safe disposal in an approved landfill. If spill does enter waterway contact the local authority, as environmental exposure can damage crops, pastures and desirable vegetation.

7. HANDLING AND STORAGE

- Storage:** Keep out of reach of children. Store in well-ventilated areas out of direct sunlight when not in use. Keep containers tightly closed, away from feed, food stuffs, fertilisers and seeds.
- Handling:** Read label before use. This product must be under the control of an approved handler. Do not eat, drink or smoke when using this product. Avoid skin and eye contact and inhalation of spray mist. Wash protective clothing and equipment daily, after use. Immediately call a Poison Centre or Doctor / Physician if you feel unwell.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:	None established.
Engineering Controls:	Use only with adequate ventilation.
Eye Protection:	Use chemical splash goggles where eye contact is likely.
Respiratory Protection:	No special protection needed
Protective Clothing:	Where contact is likely, wear chemical resistant gloves, e.g., nitril or butyl, overalls closed at neck and wrist and chemical resistant footwear.
Hygiene Precautions:	Do not eat, drink or smoke whilst working with this product. Wash hands before breaks and after work. Wash protective clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid
Boiling Point:	Not available
Vapor Pressure:	MCPA active = 0.2mPa @20°C
Vapor Density:	Not available
Density:	1.175g/mL @20°C
Flash Point:	Not applicable
Explosive Properties:	Not applicable
Decomposition Temperature:	Not available
Solubility in Water:	Miscible
pH:	9 - 11

10. STABILITY AND REACTIVITY

Stability:	(CONDITIONS TO AVOID) Stable at normal temperatures
Materials to avoid:	Strong acids, strong bases and oxidizing agents
Hazardous decomposition products:	None at normal temperatures
Incompatibility:	Can be tank mixed with most herbicides
Polymerization	Not known to occur at normal temperatures

11. TOXICOLOGICAL INFORMATION

Acute Oral:	LD50 (rat) 800 mg/kg. LD50 (mice) > 550 mg/kg
Acute Dermal:	LD50 (rat) 1,000mg/kg.
Acute Inhalation:	Causes damage to organs through prolonged or repeated exposure
Ingestion:	Single dose oral toxicity is considered to be low to moderate

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12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Highly toxic to plants including aquatic and algae. Aquatic organisms EC50 for most sensitive species tested (algae) = 0.21 mg/L.
Soil Toxicity:	Soil residual activity is 3-4 months after an application of 3kg/hect. MCPA readily leaches in soils. High organic matter reduces leaching
Terrestrial Vertebrates – Birds:	Low to moderate toxicity, Birds LD50 for most sensitive species tested = 377mg/kg
Terrestrial Invertebrates - Bees:	Low to moderate toxicity

13. DISPOSAL INFORMATION

Product:	Dispose off product according to label. Waste product should be treated so that it's no longer toxic, or be disposed off in an approved landfill.
Containers:	Triple rinse product container and add residues to spray tank. Burn container if conditions, particularly wind direction permit or may be crushed and buried in an approved landfill. Do not use container for any other purpose. Avoid contamination of waterways with chemical or empty container.

14. TRANSPORT INFORMATION

Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, (N.O.S) MCPA 37.5%
Other names:	DONAGHYS Broadleaf Kill MCPA
UN Number:	3082
DG class:	9
Hazchem:	2Z
Packing Group	III

15. REGULATORY INFORMATION

HSNO Approval code:	HSR000418 See www.erna.govt.nz for approval controls.
ACVM Registration code:	P7656 See www.nzfsa.govt.nz/acvm for registration conditions.

16. OTHER INFORMATION

The information contained herein is given in good faith. No warranty, expressed or implied is made. Any use of this information must be determined by the user to be in accordance with applicable Government laws and regulations. The information contained in this form is confidential and is submitted for your organizations internal use.

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