



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

Product Name: Donaghys Grunt 600 Glyphosate.
Company: Donaghys Ltd.
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AGGT0010 / AGGT0100 / AGGT1000
Recommended Use: Non-selective herbicide.

Section 2 – Hazard Identification

HSNO Classifications: 6.3A, 8.3A, 9.1B
GHS Hazard Classifications: Skin irritation Category 2
Serious eye damage Category 1
Hazardous to the aquatic environment chronic Category 2



Hazard Statements: H315 - Causes skin irritation
H318 - Causes serious eye damage
H411 - Toxic to aquatic life with long lasting effects

Precaution Statements: P102 - Keep out of reach of children
P103 - Read label before use
P264 - Wash hands thoroughly after handling
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Signal Word: DANGER

EPA NZ Approval Code: HSR101004

Classified as hazardous according to criteria in the Hazardous Substances Regulations 2001.

Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Glyphosate (potassium and triethanolamine salts)	1071-83-6	600 g/L a.e.
Cocamidopropyl dimethylamine	68140-01-2	<100g/L

IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 4 – First Aid Measures

- If Swallowed:** Harmful if swallowed. Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician. If medical advice is needed, have product container or label at hand.
- If in eyes:** Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- If on skin:** Remove contaminated clothing immediately and wash skin with plenty of soap and water. Wash clothing before reuse. Seek medical advice if irritation occurs.
- If inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing. If ill effects persist, contact doctor or poison centre for advice.
- Advice to Doctor:** Treat symptomatically

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

Section 5 – Fire-fighting Measures

- Flashpoint:** Non-flammable
- Flammable limits:** None.
- Extinguishing media:** Dry chemical, water spray/fog, foam or carbon dioxide.
- HazChem code:** 3Z
- Thermal decomposition products:** Include oxides of carbon and nitrogen. If involved in a major fire, could evolve oxides of nitrogen or phosphorus.
- Hazardous combustion products:** This product reacts with galvanized/unlined steel (not stainless steel) containers, to produce hydrogen gas which may form a highly flammable or explosive gas mixture.
- Special firefighting methods:** Addition of water may cause excessive foaming. Vapours may be toxic; self-contained breathing apparatus required. Do not allow runoff to enter drains.

Section 6 – Accidental Release Measures

- Spills and Disposal:** Using appropriate protective clothing and equipment immediately absorb small spills with material such as sand, sawdust or clay and sweep to a sealable waste container. Dike area in case of large spills and pump as much liquid as possible to a salvage container. For final cleanup of premises, a degreasing agent or detergent is advised. Dispose of all waste safely in an approved landfill.
- Protective Equipment:** Wear protective gloves/clothing and eye and face protection.
- Environmental Precautions:** Avoid entry into waterways or streams. Prevent washings from entering waterways. Collect Spillage. Avoid release to the environment. Toxic to aquatic life with long lasting effects.



Section 7– Handling and Storage

- Storage:** Keep away from children. Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs. Do not mix or store in galvanized or unlined steel containers. Store away from food, fertilizers and seeds and in accordance with NZS8409: Management of Agrichemicals.
- Handling:** Read label before use. Wear protective clothing including gloves while handling this product. Do not eat, drink or smoke when handling this product. Use only outdoors in a well-ventilated area. Avoid breathing vapours, mist or spray. Wash hands, arms and face thoroughly after handling.
- Other Information:** This product is subject to a requirement for an emergency management plan, secondary containment and signage whenever held in quantities of 1000 litres or more, either alone or in combination with other hazardous substances. See NZS 8409: Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations) for more information.

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:** No exposure limits have been established for this product.
- Engineering Controls:** Use only with adequate ventilation.
- Eye Protection:** Use chemical splash goggles where eye contact is likely.
- Respiratory Protection:** When spraying use air respirator with organic vapour canister or self-contained breathing apparatus.
- Protective Clothing:** Where contact is likely, wear chemical resistant gloves, e.g., nitrile 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 contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

- Appearance:** Clear green liquid
- Vapour Pressure:** Not available
- Vapour Density:** Not available
- Specific gravity:** 1.3-1.4
- Flash Point:** Not applicable
- Explosive Properties:** Not applicable
- Decomposition Temperature:** Not available
- Solubility in Water:** Soluble in water
- pH:** 4.5 – 7.0

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Section 10 – Stability and Reactivity

Stability:	Stable under normal conditions
Conditions/Materials to Avoid:	Galvanised or unlined steel containers
Hazardous Decomposition Products:	Reacts with unlined or galvanized steel containers forming hydrogen gas, which may form an explosive mixture with air.

Section 11 – Toxicological Information

Acute Oral:	LD50 (rat) >5000mg/kg for a similar formulation
Acute Dermal:	LD50 (rabbit) >5000mg/kg for a similar formulation
Acute Inhalation:	LC50 (rat) >4.98mg/L air/4 hours
Other Information:	Avoid skin and eye contact. No harmful effects should occur if the product is used in accordance with the label and this SDS.

Section 12 - Ecological Information

Aquatic Toxicity:	Toxic to fish and other aquatic organisms with long lasting effects.
Soil Toxicity:	Earthworms LC50 (14 days)>10,000 mg /kg soil for active glyphosate.
Terrestrial Vertebrates:	Not toxic to birds
Terrestrial Invertebrates:	Not toxic to bees
Other information:	Environmental Exposure Limit (EEL) for glyphosate is 0.37mg/L

Section 13 – Disposal Considerations

Product Disposal:	If possible, dispose of the product by using according to the label, otherwise dispose of in an approved landfill or bury below 50 cm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.
Container Disposal:	Triple rinse container and add residue to mixture. If circumstances permit, especially wind direction, the empty container may be burned, otherwise bury in a suitable land fill. Where possible, triple rinse container and deliver to an Agrecovery Collection point for recycling or disposal.

Section 14 – Transport Information

Proper Shipping Name:	Environmentally hazardous substance, liquid, N.O.S. (contains Glyphosate 60%)
UN Number:	3082
DG Class:	9
Subsidiary Risk Class:	N/A
Packing Group:	III
HAZCHEM Code:	3Z



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Section 15 – Regulatory Information

EPA NZ Registration Code: HSR101004
See www.epa.govt.nz for controls

ACVM Approval Number: P008482
See www.foodsafety.govt.nz for registration conditions.

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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