



1. PRODUCT AND COMPANY IDENTIFICATION

Product: Donaghys Premium Sprayoff G360
Company: Donaghys Industries Ltd
Address: 2 Nazareth Ave, PO Box 20 449, Christchurch
Telephone Number: 0800 942 006
Emergency Telephone Number (24/7): National Poisons Centre 0800 POISON (764 766)
Chemical family: N-phosphonomethyl glycine
Manufacturer's Product Code:
Use: Non-selective herbicide

2. HAZARDS IDENTIFICATION

Hazard classes: 6.1D – WARNING: Acutely toxic substance of low hazard.
May be harmful if swallowed / inhaled / in contact with skin.
9.1B – Toxic to aquatic life with long lasting effects. Avoid
unintended release to the environment.
ERMA NZ approval code: HSR 007807

3. COMPOSITION

<u>Chemical Entity</u>	<u>CAS #</u>	<u>Proportion</u>
Glyphosate (potassium salt)	1071-83-6	360 g/L a.e.
Other non-hazardous ingredients		Balance

4. FIRST AID INFORMATION

IF SWALLOWED: Harmful if swallowed. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTRE or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand.

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 IN EYES: Wash eyes cautiously for 15 minutes. Remove contact lenses if they are present and it is easy to do so.

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.

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Ver: 0112



5. FIRE FIGHTING MEASURES

Flashpoint:	Non-flammable
Flammable limits:	None
Extinguishing media:	Dry chemical, water spray/fog, foam or carbon dioxide
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 mixtures.
Special fire fighting methods:	Addition of water may cause excessive foaming. Vapours may be toxic; self-contained breathing apparatus required. Do not allow runoff to enter drains.

6. ACCIDENTAL RELEASE MEASURES

Toxic to aquatic life with long lasting effects. 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.

7. HANDLING AND STORAGE

Storage:	Keep away from children. Do not mix or store in galvanized or unlined steel containers. Store in original container with lid tightly closed in a cool, dry, well ventilated area out of direct sunlight. Store away from food, fertilizers and seeds and in accordance with NZS 8409: 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.

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.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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:	Air respirator with organic vapour canister or self-contained breathing apparatus when exposed to vapours from heated material.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid
Odour:	No odour
Boiling Point:	>100°C
Vapour Pressure:	Not available
Vapour Density:	Not available
Density:	1.20-1.29g/mL @20°C
Flash Point:	Not applicable
Explosive Properties:	Not applicable
Decomposition Temperature:	Not available
Solubility in Water:	Soluble in water
pH:	4.0-6.5

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. Product is stable for two years when stored appropriately.
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.

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.

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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 – Birds:	Not toxic to birds
Terrestrial Invertebrates - Bees:	Not toxic to bees
Other information:	Environmental Exposure Limit (EEL) for glyphosate is 0.37mg/L

13. DISPOSAL INFORMATION

Triple rinse product container and add rinsate to spray tank. Burn container if conditions, particularly wind direction permit; otherwise bury in an approved landfill. Do not use container for any other purpose. Avoid contamination of waterways with chemical or empty container.

14. TRANSPORT INFORMATION

UN No:	3082
DG class:	9
Packaging Group:	III
Hazchem code:	2X
Shipping name:	Environmentally hazardous substance, liquid, N.O.S. (Glyphosate 36%)

15. REGULATORY INFORMATION

HSNO approval code:	HSR007807 See www.erna.govt.nz for approval controls
ACVM approval code:	P7732

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 organisation's internal use.

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