



Revision 08/11/2022

## Donaghys Grunt 600 Glyphosate




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### 1. PRODUCT AND COMPANY IDENTIFICATION

|  |   |
|--|---|
| <b>Product</b>   | Donaghys Grunt 600 Glyphosate.                          |
| <b>Company</b>   | Donaghys Ltd.   |
| <b>Address</b>   | 16 Sheffield Crescent<br>PO Box 20 449<br>Christchurch. |
| <b>Telephone Number</b>  | New Zealand: 0800 942 006                               |
| <b>Emergency Telephone Number (24/7).<br/>Poisons Information Centre</b> | Australia 13 11 26<br>New Zealand 0800 764 766          |
| <b>Chemical family</b>   | N-phosphonomethyl glycine.                              |
| <b>Use</b>   | Non-selective herbicide.                                |

### 2. HAZARDS IDENTIFICATION

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

|   |   |  |
|---|---|--|
| <b>EPA NZ Approval Code</b>   | HSR101004   |  |
| <b>Hazard Classes</b>   | 6.3A, 8.3A, 9.1B  |  |
|  | <b>6.3A</b>   | Corrosive to skin.                               |
|  | <b>8.3A</b>   | Corrosive to eyes.                               |
|  | <b>9.1B</b>   | Toxic to aquatic life with long lasting effects. |
| <b>Hazard Statements</b>  |   |  |
| H315  | Causes serious eye damage.  |  |
| H318  | Causes skin irritation.   |  |
| H411  | Toxic to aquatic life with long lasting effects.                    |  |
| <b>Prevention Statements (For more information refer to Section 7)</b>              |   |  |
| P102  | Keep out of reach of children.                                      |  |
| P103  | Read the label before use.  |  |
| P280  | Wear protective clothing/gloves/ eye protection.                    |  |
| P273  | Avoid release to the environment.                                   |  |
| <b>Response Statements (For more information refer to Section 4)</b>                |   |  |
| P101  | If medical advice needed, have product container, label at hand.    |  |
| P301+P310   | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |  |
| P331  | Do not induce vomiting.   |  |

#### IN CASE OF EMERGENCY PHONE

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|                |  |
|----------------|--|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | IF EXPOSED OR FEEL UNWELL: Immediately call a POISON CENTER or doctor/ physician.  |

**3. COMPOSITION**

| Chemical Entity                                     | CAS #      | Proportion   |
|---|------------|--------------|
| Glyphosate<br>(potassium and triethanolamine salts) | 1071-83-6  | 600 g/L a.e. |
| Cocamidopropyl dimethylamine                        | 68140-01-2 | <100g/L      |

**4. FIRST AID INFORMATION**

|                     |  |
|---------------------|--|
| <b>If swallowed</b> | 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. |
| <b>If on skin</b>   | Remove contaminated clothing immediately and wash skin with plenty of soap and water. Wash clothing before reuse. Seek medical advice if irritation occurs.                            |
| <b>If in eyes</b>   | 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.                      |
| <b>If inhaled</b>   | 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.                                      |

**5. FIRE FIGHTING MEASURES**

|                                       |   |
|---------------------------------------|---|
| <b>Flashpoint</b>                     | Non-flammable.  |
| <b>Flammable limits</b>               | None.   |
| <b>Extinguishing media</b>            | Dry chemical, water spray/fog, foam or carbon dioxide.  |
| <b>HazChem code</b>                   | 3Z.   |
| <b>Thermal decomposition products</b> | Include oxides of carbon and nitrogen. If involved in a major fire, could evolve oxides of nitrogen or phosphorus.  |
| <b>Hazardous combustion products</b>  | 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. |
| <b>Special fire fighting methods</b>  | Addition of water may cause excessive foaming. Vapours may be toxic; self-contained breathing apparatus required. Do not allow runoff to enter drains.                  |

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#### 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

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

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

|                               |   |
|-------------------------------|---|
| <b>Exposure Limits</b>        | No exposure limits have been established for this product.  |
| <b>Engineering Controls</b>   | Use only with adequate ventilation.   |
| <b>Eye Protection</b>         | Use chemical splash goggles where eye contact is likely.  |
| <b>Respiratory Protection</b> | When spraying use air respirator with organic vapour canister or self-contained breathing apparatus.  |
| <b>Protective Clothing</b>    | Where contact is likely, wear chemical resistant gloves, e.g., nitrile or butyl, overalls closed at neck and wrist and chemical resistant footwear. |
| <b>Hygiene Precautions</b>    | Do not eat, drink or smoke whilst working with this product.<br>Wash hands before breaks and after work. Wash contaminated clothing before reuse.   |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |                     |
|----------------------------------|---------------------|
| <b>Appearance</b>                | Clear green liquid. |
| <b>Vapour Pressure</b>           | Not available.      |
| <b>Vapour Density</b>            | Not available.      |
| <b>Specific gravity</b>          | 1.3-1.4             |
| <b>Flash Point</b>               | Not applicable.     |
| <b>Explosive Properties</b>      | Not applicable.     |
| <b>Decomposition Temperature</b> | Not available.      |
| <b>Solubility in Water</b>       | Soluble in water.   |
| <b>pH</b>                        | 4.5 – 7.0.          |

**10. STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>Stability</b>                        | Stable under normal conditions.  |
| <b>Conditions / Materials to avoid</b>  | Galvanised or unlined steel containers.  |
| <b>Hazardous decomposition products</b> | Reacts with unlined or galvanized steel containers forming hydrogen gas, which may form an explosive mixture with air. |

**11. TOXICOLOGICAL INFORMATION**

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

**12. ECOLOGICAL INFORMATION**

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

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**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**

|                        |   |
|------------------------|---|
| <b>UN No</b>           | 3082.   |
| <b>DG class</b>        | 9.  |
| <b>Packaging Group</b> | III.  |
| <b>Hazchem code</b>    | 3Z.   |
| <b>Shipping name</b>   | Environmentally hazardous substance, liquid, N.O.S. (Glyphosate 60%). |

**15. REGULATORY INFORMATION**

|                           |   |
|---------------------------|---|
| <b>HSNO approval code</b> | HSR101004; See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls.                           |
| <b>ACVM approval code</b> | P8482 ; See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions. |

**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.

|   |                              |
|---|------------------------------|
| <b>DONAGHYS NZ</b>                          | 0800 942 006                 |
| <b>DONAGHYS AUSTRALIA</b>                   | 1800 644 404                 |
| <b>POLICE, AMBULANCE &amp; FIRE SERVICE</b> | 111                          |
| <b>NATION POISON INFORMATION CENTRE</b>     | 0800 POSION (0800 764 766)   |
| <b>HAZARDOUS SUBSTANCES EMERGENCY</b>       | 0800 CHEMCALL (0800 243 622) |

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