



SDS Identifier: SDS RAINVEL	Date: 20.05.2020	Version No:1.0	Page 1 of 5
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### Section 1 – Identification of the substance/preparation and the company

<b>Product Name</b>	DONAGHYS RAINVEL
<b>Company</b>	Donaghys Ltd
<b>Address</b>	16 Sheffield Crescent PO Box 20 449 Christchurch
<b>Telephone Number</b>	0800 942 006
<b>Manufacturer Product Codes</b>	ARVH0005 and ARVH0020
<b>ACVM No</b>	P008815
<b>Recommended Use</b>	A selective herbicide for the control of difficult broadleaf weeds in cereals, maize, pasture and waste areas (controls atrazine resistant fathen in maize).

### Section 2 – Hazard Identification

<b>GHS label elements</b>	
<b>Hazard classifications</b>	6.1E May be harmful if swallowed, inhaled or in contact with skin 6.3A Causes skin irritation 6.4A Causes eye irritation 6.9B May cause liver damage from repeated oral exposure at high doses 9.1A Very toxic to fish with long lasting effects. 9.2A Very toxic to the soil environment 9.3B Toxic to terrestrial vertebrates 9.4B Toxic to terrestrial invertebrates

**Hazard pictograms**



<b>Signal word</b>	Warning
<b>Prevention statements</b>	P102 Keep out of reach of children P103 Read label before use P260 Do not breathe mist/vapour/spray. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment P280 Wear protective gloves/protective clothing/protective eye protection
<b>EPA NZ Approval Code</b>	HSR000442

### Section 3 – Composition Information

**Substance/Mixture:** Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration (w/v)
Dicamba	1918-00-9	500 g/L
Other ingredients	Not applicable	500 g/L

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#### Section 4 – First Aid Measures

<b>Inhalation</b>	Call a POISON CENTRE or doctor/physician if you feel unwell.
<b>Ingestion</b>	Immediately call a POISON CENTRE or doctor/physician for treatment advice. Do NOT induce vomiting.
<b>Skin</b>	Wash with plenty of soap and water. DO NOT SCRUB THE SKIN. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.
<b>Eye</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell. 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

<b>Fire And Explosion Hazard</b>	Not a fire or explosion hazard.
<b>Suitable Extinguishing Media</b>	Use extinguishing media suited to the surrounding fire.
<b>Firefighting Equipment</b>	Recommended use of self-contained breathing apparatus and full protective equipment.
<b>Hazardous Combustion Products</b>	Oxides of carbon, oxides of nitrogen and hydrogen cyanide gas
<b>Hazchem Code</b>	Not allocated.

#### Section 6 – Accidental Release Measures

<b>Environmental Precautions:</b>	Washing must be prevented from entering surface water drains.
<b>Methods And Materials For Containment And Cleaning Up</b>	<b>SPILL:</b>  In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or

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waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Launder protective clothing before storage or re-use.

### Section 7– Handling and Storage

**Precautions For Safe Handling:**

Keep exposure to this product to a minimum, and minimize the quantities kept in work areas.

**Conditions For Safe Storage, Including Any Incompatibilities:**

Store in the original container tightly closed and in a secure, dry, cool area away from foodstuffs. Stores containing 100 litres are subject to secondary containment and signage and more than 100 litres require emergency response plans. Do not store for prolonged periods in direct sunlight. Make sure that the product does not come into contact with acids, bases and strong oxidizing agents.

### Section 8 – Exposure Controls/Personal Protection

**Personal Precautionary Measures**

**Engineering Measures:**

No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

**Hygiene Measures:**

Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash contaminated clothing and personal protective equipment before re-use.

**Personal Protective Equipment:**

**Respiratory System:**

If there is a significant chance that dusts are likely to build up in the area, a class P1 dust mask should be used.

**Skin And Body:**

Wear suitable protective clothing, overalls and boots.

**Hands:**

Wear waterproof gloves.

**Eyes:**

Wear safety goggles or face shield.

### Section 9 – Physical and Chemical Properties

**Appearance:**

Amber liquid

**Odour:**

Mild amine odour

**Solubility In Water:**

Completely soluble

**Boling Point:**

Approximately 108°C at 100kPa

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SDS Identifier: SDS RAINVEL      Date: 20.05.2020      Version No:1.0      Page 4 of 5

**Freezing Point:** Approximately -5°C  
**Vapour Pressure (At 20°C):** 2.37 kPa  
**Vapour Density (Air =1):** No information available  
**Specific Gravity:** 1.17-1.18 at 20°C  
**Flash Point:** Not flammable

### Section 10 – Stability and Reactivity

**Chemical Stability** Stable under normal storage conditions.  
**Storage Stability** When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.  
**Compatibility** Do not store with strong acids, strong bases and strong oxidizing agents.  
**Hazardous Decomposition Products** Oxides of carbon, oxides of nitrogen and hydrogen cyanide gas.  
**Conditions To Avoid** Heat and light.

### Section 11 – Toxicological Information

**Toxicity:** Dicamba at high levels over a long period of time has been shown to cause changes in the liver and a decrease in body weight in rats. In mice, some enlargement of liver cells has occurred.  
**Inhalation:** Product may be harmful if inhaled.  
**Eye irritation:** Causes eye irritation.  
**Skin irritation:** Causes skin irritation.  
**Ingestion:** Product may be harmful if ingested.

### Section 12 - Ecological Information

**Ecotoxicity:**  
**Toxicity to birds** Dicamba is practically nontoxic to birds. The LD50 for technical dicamba in mallard ducks is 2009 mg/kg. The 8-day dietary LC50 in mallards and in bobwhite quail is greater than 10,000 ppm.  
**Toxicity to fish:** Dicamba is of low toxicity to fish.  
LC50 (96 hours):  
Bluegill sunfish is 135 mg/L  
Rainbow trout is 135 mg/L  
Grass shrimp >100 mg/L  
Fiddler crab >180 mg/L  
Sheepshead minnow >180 mg/L

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LC50 (48 hours):  
Bluegill sunfish is 40 mg/L  
Rainbow trout is 35 mg/L  
Carp is 465 mg/L

**Toxicity to bee:**

Dicamba is not toxic to bees.

**Toxicity to daphnia:**

LC50 (48 hours): Daphnia magna is 110 mg/L

**Effects on other organisms:**

Dicamba poses little threat to wildlife

### Section 13 – Disposal Considerations

**Product Disposal:**

Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit [www.agrecovery.co.nz](http://www.agrecovery.co.nz).

### Section 14 – Transport Information

**Dangerous goods classification**

**UN Number** 3082

**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dicamba)

**Road transport:ADR/IRD**

**Class** 9

**Packing group** III

**Maritime transport:IMDG/IMO**

**Class** 9

**Packing group** III

### Section 15 – Regulatory Information

**ERMA NZ Registration Code:** HSR000442  
See <http://www.epa.govt.nz> for approval conditions

**NZFSA Approval Number:** P008815  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

### Section 16 – Other Information

The data given here is based on current knowledge and experience. The purpose of this safety data sheets is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the products properties.

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