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

Product Name Donaghys Cronus
Company Donaghys Ltd
Address 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number NZ 0800 942 006
Manufacturer Product Code: AGCRXXXX
Recommended Use For control of clovers, yarrow, plantains, Californian and other thistles in a range of crops, turf, forestry and pre-cultivation
Emergency Contact 0800 764 766 (National Poisons Centre)

Section 2 – Hazard Identification

Classified as hazardous according to criteria in the Hazardous Substances (minimum degrees of hazards) Regulations 2001

HSNO Classification



Serious eye damage Category 1
Hazardous to the aquatic environment chronic Category 2
Hazardous to soil organisms
Hazardous to terrestrial vertebrates

Hazard Statements: Causes serious eye damage.
Toxic to aquatic life with long lasting effects
Very toxic to the soil environment.
Harmful to terrestrial vertebrates.

Prevention Statements: Keep out of reach of children.
Read label before use.
Wear protective eye / face protection.
Avoid release to the environment.

Signal Word Danger
EPA NZ Approval Code: HSR101196

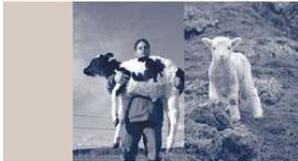
Section 3 – Composition Information

Chemical	CAS No.	Content
Clopyralid	1702-17-6	300 g/L
Inert Ingredients	Trade Secret	To 100%

Section 4 – First Aid Measures

General Keep label or packaging available for emergency personal.
Show this SDS to emergency personal if requested.

IN CASE OF EMERGENCY PHONE
National Poisons Centre 0800 POISON (0800 764 766)



Section 4 – First Aid Measures (cont.)

If Swallowed	If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.
If in eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician for advice.
If on skin	If skin contact occurs, remove contaminated clothing and flush skin with running water. If irritation occurs, seek medical advice.
If inhaled	If inhaled, move the victim to fresh air immediately. Never give anything by mouth to an unconscious person.

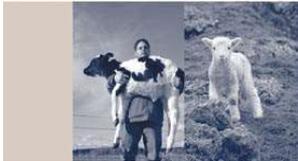
Section 5 – Fire-fighting Measures

Flashpoint	Not determined
Combustion Products	During a fire, toxic fumes may be emitted
Flammability Limits	Not determined
Protective Equipment	Self-contained breathing apparatus, protective gloves and clothing
Extinguishing Media	Dry chemical, water spray (fog), foam or carbon dioxide
HazChem Code	2X
Special Fire Fighting Methods:	Addition of water may cause excessive foaming. Vapours may be toxic. Self-contained breathing apparatus required. Prevent run off entering waterways

Section 6 – Accidental Release Measures

Spills and Disposal	Do not touch or walk through spilled material. Wear the protective equipment recommend in section 8. Stop any leaks or spills when safe to do so. Dam area and prevent entry into drains, streams, watercourses etc. Collect spilt product and place in properly labeled, sealable containers for disposal. Deal with any spillage immediately. Contamination of drain, streams or watercourses etc. if unavoidable warn the local water authority.
Protective Equipment	Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).
Environmental Precautions	Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.

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Section 7– Handling and Storage

Storage

Store in original packaging tightly closed and in a locked, dry, well ventilated area away from foodstuffs.

When stored according to recommendations this product should not show signs of degradation for at least two years from the date of manufacture.

Keep out of reach of children.

Do not store near waterways. Do not store where damage may occur.

Handling

Do not handle until all safety instructions have been read and understood.

Wear eye / face protection.

In case of inadequate ventilation wear respiratory protection.

Contaminated work clothing should not be allowed out of the workplace. Avoid unintended release to the environment.

Approved Handler

This product must be under the control of an approved handler at all times. For more information see Regulations 4-6 Hazardous substances (Personnel Qualifications) Regulations 2001.

Tracking regulations

Records of use required

Record Keeping

Records of use as described in NZS 8409 Management of Agrichemicals must be kept where more than 3 kg of this product is used within 24 hours in a place where pesticide is likely to enter air or water and leave the application area.

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.

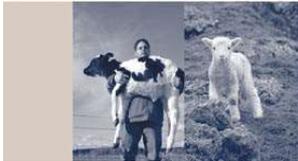
Observe good work place practices and avoid contact with skin and eyes. Read the label before using. This substance may be harmful if swallowed inhaled or absorbed through the skin. May cause respiratory sensitisation if inhaled. May cause eye irritation. Avoid contact with eyes.

Protective Equipment

Avoid contact with skin and eyes and inhalation of spray mist. When applying or mixing wear eye protection, water proof gloves, chemical resistant boots made of material such as rubber, nitrile, polyvinyl chloride and cotton overalls buttoned to the neck and wrist.

Gloves Wear nitrile rubber gloves with a minimum layer thickness of 0.11 mm. Break through time: 480 min This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards



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Section 8 – Exposure Controls/Personal Protection (cont.)

Hygiene Precaution:	Do not eat, drink or smoke when using this product. Be careful not to contaminate yourself when removing contaminated clothing.
Engineering Controls	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation.

Section 9 – Physical and Chemical Properties

Form	Liquid
Appearance - colour	Clear light brown liquid
Odour	Not available
pH	4 - 8
Flash point °C	N/A
Flammability limits	N/A
Oxidising properties	N/A
Explosive properties	N/A

Section 10 – Stability and Reactivity

Stability	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility	Acid base oxidizing material
Hazardous Decomposition Products	Noxious fumes under fire conditions – hydrogen, chloride and others.
Dangerous Reactions	Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable

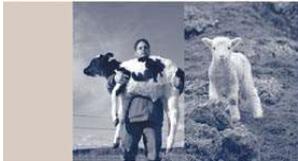
Section 11 – Toxicological Information

Acute Toxicity (Active ingredient)	Acute Oral LD ₅₀ (rats) : >5000 mg/kg Acute Dermal LD ₅₀ (rabbit) : >2000mg/kg Acute inhalation LC ₅₀ (rats) (4hrs) : > 2.6 mg/L
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Section 12 - Ecological Information

EPA Classification	Hazardous to the aquatic environment chronic Category 2 Hazardous to soil organism Hazardous to terrestrial vertebrates
Aquatic toxicity	LC ₅₀ (algae) 6.9 mg/L
Vertebrate toxicity	LC ₅₀ >5000 mg/kg
Invertebrate toxicity	Unknown

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Section 13 – Disposal Considerations

Product Disposal	Dispose packaging according to the label or at an approved landfill or other approved facility.
Packaging Disposal	Triple rinse empty container and add rinsate to spray the tank. Triple rinse containers containing the Agrecovery logo on the label and check that the container is free of all residues (liquid or dry) and have an intact legible label may be taken to an Agrecovery collection site. Otherwise crush or puncture and bury in a suitably landfill. Do not burn empty containers. Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources. DO NOT reuse packaging.

Section 14 – Transport Information

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S (Contains Clopyralid 300 g/l)
UN Number	3082
DG Class:	9
Subsidiary Risk Class	N/A
Packing Group	III
HAZCHEM Code	2X
Transport pictogram	
Additional Information	Marine pollutant

Section 15 – Regulatory Information

EPA NZ Registration Code	HSR101196
ACVM Approval Number	P9127
Approved handler	Required
Tracking requirements	This product should only be sold to an approved handler.

Section 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.

DONAGHYS NZ	0800 942 006
DONAGHYS AUSTRALIA	1800 644 404
POLICE, AMBULANCE & FIRE SERVICE	111
NATION POISON INFORMATION CENTRE	0800 POSION (0800 764 766)
HAZARDOUS SUBSTANCES EMERGENCY	0800 CHEMCALL (0800 243 622)

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