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

Product Name	Donaghys MYCO-RF [®]
Company	Donaghys Ltd.
Address	16 Sheffield Crescent PO Box 20 449 Christchurch.
Telephone Number	NZ 0800 942 006. AUS 1800 644 404.
Recommended Use	Systemic Fungicide.
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.

EPA NZ Approval Code HSR007810

HSNO Classification



6.1D Acutely toxic – Harmful.



6.3B Mildly irritating to the skin.

6.8B Suspected human reproductive or developmental toxicants.

6.9B Harmful to human target organs or systems.



9.1A Very ecotoxic in the aquatic environment.

9.3C Harmful to terrestrial vertebrates.

Hazard Statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H316	Causes mild skin irritation.
H332	Harmful if inhaled.
H361	Suspected in damaging fertility or the unborn child (decrease sperm count).
H373	May cause damage to organs.
H400/410	Very toxic to aquatic life with long last effects.
H433	Harmful to terrestrial vertebrates.

Prevention Statements (for more information see section 7)

P102	Keep out of reach of children.
P103	Read Label before use.

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

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- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breath dust, mist, or spray.
- P261 Avoid breathing dust, mist or spray.
- P264 Wash hands thoroughly after using.
- P270 Do not eat, drink, vape or smoke when using this product.
- P271 Use outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective nitrile rubber gloves, protective overalls, chemical resistant safety glasses or full face protection.
- P281 Use personal protective equipment as required.

Response Statements (for more information see section 4)

- P101 If medical advice is needed, have product container or label at hand.
- P322 Specific first aid – see section 4.
- P330 Rinse mouth is ingested – see section 4.
- P363 Wash contaminated clothing before reuse.
- P301+312 If swallowed – call 0800 764 766 (national poison centre).
- P304+340 If inhaled – Remove to fresh air and keep at rest in a position comfortable for breathing.
- P302+352 If on skin – wash with plenty of soap and water.

Section 3 – Composition Information

Chemical	CAS No.	Content
Alpha-[2-(4-Chlorophenyl)ethyl]alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (Tebuconazole)	107534-96-3	800 g kg ⁻¹

Section 4 – First Aid Measures

- General** Never give anything by mouth to an unconscious person. Keep label or packaging available for emergency personal. Show this SDS to emergency personal if requested.
- If Swallowed** DO NOT induce vomiting. Have person sip a glass of water if able to swallow. Get medical advice/attention immediately.
- If in eyes** Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Contact the national POISON CENTRE or medical practitioner.



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If on skin

Wash with plenty of soap and water. Wash contaminated clothing before reuse. Contact a medical practitioner if symptoms persist.

If inhaled

Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention. If person is not breathing, call 111 and request an ambulance.

Section 5 – Fire-fighting Measures

Flashpoint

Not flammable.

Combustion Products

When heated to decomposition, toxic vapours of hydrogen chloride and nitrogen oxides may be liberated.

Flammability Limits

Not available.

Protective Equipment

Self-contained breathing apparatus and protective gloves and clothing.

Extinguishing Media

Water fog, foam, carbon dioxide, dry chemicals.

HazChem Code

2X.

Special Fire Fighting Methods

None.

Section 6 – Accidental Release Measures

Small Spill (non-emergency personal)

Spills and Disposal

Sweep up spill and place in suitable labeled container.

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.

Large Spill (emergency personal)

Spills and Disposal

Sweep up spill and place in suitable labeled container.

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.

Prevention

Level 1 emergency management plans need to be in place for quantities between 0.1 and 1000 kg.

Level 2 emergency management plans need to be in place for all workplaces.

Level 3 emergency management plans need to be in place for quantities above 1000 kg.

See Hazardous Substances (Emergency Management) Regulations 2001.



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Section 7– Handling and Storage

Storage	Store out of direct sunlight. Keep out of reach of children. Do not store near water ways. Do not store where damage may occur. Do not handle until all safety instructions have been read and understood.
Handling	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	Not required.
Tracking regulations	Do not apply.

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 defined
Protective Equipment	Observe good work place practices and avoid contact with skin and eyes. To protect your skin and eyes, wear protective overalls, chemical resistant safety glasses and nitrile rubber gloves when handling. Wear eye / face protection. In case of inadequate ventilation wear half mask filter respiration suitable for dust. Do not eat, drink or smoke when using this product.
Hygiene Precautions	Be careful not to contaminate yourself when removing contaminated clothing.
Engineering Controls	Not applicable.

Section 9 – Physical and Chemical Properties

Note: The follow properties are for Teuconazole and not of the mixture

Appearance	Off-white powder.
Odour	Not available.
pH	6 – 8.
Vapour Pressure	1.7×10^{-6} Pa.
Vapour Density	Not available.
Boiling Point	Not available.
Freezing/Melting point	105 °C.
Flash Point	N/A.

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Solubility Soluble/dispersible in water.

Specific Gravity 1.25.

Dissociation Constant (pK_a) 2.3.

Section 10 – Stability and Reactivity

Stability Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid Avoid direct sunlight, avoid generation of dust.

Materials to Avoid None.

Hazardous Decomposition Products None.

Section 11 – Toxicological Information

Oral LD₅₀ Rat = 2.065 mg kg⁻¹.

Inhalation LC₅₀ Rat > 2.75 mg L⁻¹ 4 hrs⁻¹ (non-fatal).

Dermal Slight irritation, not a skin sensitizer.

Ocular Mild irritation.

Carcinogenicity Active ingredient has been shown to cause hepatocarcinogenic activity in mice, but not in rats. It is unlikely to pose any carcinogenic risk to humans from dietary exposure levels.

Reproductive toxicity Correlation between increasing dosage and decreasing sperm count in rats.

Genotoxicity Not genotoxic.

Neurotoxicity No sub chronic neurotoxicity. No neurodevelopmental toxicity.

Section 12 - Ecological Information

EPA Classification 9.1A, 9.3C.

Aquatic toxicity Very toxic to the aquatic environment.

Vertebrate toxicity Substances that are harmful to terrestrial vertebrates.

Invertebrate toxicity Not known.

Bioaccumulation Theoretical studies suggest a high risk of bioaccumulation in aquatic species.

Atmospheric toxicity No risk of atmospheric toxicity.



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Section 13 – Disposal Considerations

Product Disposal

When empty, triple rinse container and add residues to spray tank. Dispose of empty container at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container. Do not re-use container.

Section 14 – Transport Information

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S
(Contains 80% Tebuconazole).

UN Number

3077.

DG Class

9.

Subsidiary Risk Class

N/A.

Packing Group

III.

HAZCHEM Code

2X.

Section 15 – Regulatory Information

EPA NZ Registration Code

HSR007810.

ACVM Approval Number

P7625.

Approved handler

Not required.

Tracking requirements

Not required.

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)