



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: 0800 942 006
Manufacturers Product Code: AMR0001
Recommended Use: Systemic Fungicide

Section 2 – Hazard Identification

GHS Classifications: Acute oral toxicity Category 4
Acute dermal toxicity Category 4
Acute inhalation toxicity Category 4
Specific target organ toxicity - repeated exposure Category 2
Hazardous to the aquatic environment chronic Category 1
Hazardous to terrestrial vertebrates

GHS Pictograms:



Hazard Statements: H302 Harmful if swallowed.
H312 Harmful in contact with skin
H332 Harmful if inhaled
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects
Hazardous to terrestrial vertebrates

Prevention Statements: P102 Keep out of reach of children
P103 Read label before use
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only 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

Response Statements: P101 If medical advice is needed, have product container or label at hand.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.

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



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Response Statements: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
(Continued) P363 Wash contaminated clothing before reuse.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P391 Collect spillage.

Signal Word: WARNING

EPA NZ Approval Code: HSR007810

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

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

Balance made up of non-hazardous material

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 personnel 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.

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.

**If medical advice is needed, have product container or label at hand.
POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)**

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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 personnel)

Spills and Disposal:	Sweep up spill and place in a 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 personnel)

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	<p>Level 1 emergency management plans need to be in place for quantities between 0.1 and 1000 kg</p> <p>Level 2 emergency management plans need to be in place for all workplaces</p> <p>Level 3 emergency management plans need to be in place for quantities above 1000 kg</p>

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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.
- 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** 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.
- Hygiene Precautions:** Do not eat, drink or smoke when using this product.
Be careful not to contaminate yourself when removing contaminated clothing.
- Engineering Controls:** Not applicable

Section 9 – Physical and Chemical Properties

Note: The following properties are for Tebuconazole and not for 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
- Solubility:** Soluble/dispersible in water
- Specific Gravity:** 1.25
- Dissociation Constant (pK_a):** 2.3

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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 subchronic neurotoxicity. No neurodevelopmental toxicity.

Section 12 - Ecological Information

EPA Classification: Hazardous to the aquatic environment chronic Category 1
Hazardous to terrestrial vertebrates

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

Section 13 – Disposal Considerations

Product and Container 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.

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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
See <http://www.epa.govt.nz> for approval conditions

ACVM Approval Number: P007625
See www.foodsafety.govt.nz for registration conditions

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. Contact Donaghys Ltd for more information.

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