



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

Product Name: Donaghys Mycotak®
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: HSR000455

HSNO Classification

Hazard Classes: 6.6A, 6.8A, 6.9B, 9.1A, 9.2B



- 6.6A Substances that are known or presumed mutagens
6.8A Substances that are known or presumed reproductive or developmental toxicants
6.9B Substances that are harmful to human target organs or systems
9.1A Substances that are very ecotoxic in the aquatic environment
9.2B Substances that are ecotoxic to the soil environment



Hazard Statements

- H340 May cause genetic defects
H360 May damage fertility or the unborn child (miscarriage)
H372 May cause damage to organs (liver)
H410 Very toxic to aquatic life with long lasting effects
H422 Toxic to the soil environment

Prevention Statements (for more information see section 7)

- P102 Keep out of reach of children
P103 Read label before use
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood



- P260 Do not breath dust, fumes, gas, mist, vapours or spray
- P264 Wash hands, arms and face thoroughly after handling
- P270 Do not eat, drink, smoke or vape while using this product
- P273 Avoid release to the environment
- P281 Use personal protective equipment

**Response Statements (for more information see section 4)**

- P308+313 If exposed or concerned: Get medical advice
- P314 Get medical attention if you feel unwell
- P391 Collect spillage

**Section 3 – Composition Information**

Chemical	CAS No.	Content
Carbendazim	10605-21-7	800 g L <sup>-1</sup>
Balance made up of non-hazardous material (ERMA New Zealand User Guide to the Thresholds and Classifications)		

**Section 4 – First Aid Measures**

<b>General</b>	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. Never give mouth to mouth to a poisoning victim – use a pocket mask to protect yourself.
<b>If Swallowed:</b>	DO NOT induce vomiting. Contact the national POISON CENTRE or medical practitioner immediately. If unresponsive, call 111 and request an ambulance.
<b>If in eyes:</b>	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 immediately.
<b>If on skin:</b>	Wash with plenty of soap and water. Wash contaminated clothing before reuse. Contact a medical practitioner if symptoms persist.
<b>If inhaled:</b>	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.
<b>Advice for medical personal</b>	Treat according to symptoms. There are no antidotes. Protect the airways

**POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)**



### Section 5 – Fire-fighting Measures

<b>Flashpoint:</b>	Not flammable
<b>Combustion Products:</b>	May give off toxic nitrogen and carbon oxides
<b>Flammability Limits:</b>	Not flammable
<b>Protective Equipment:</b>	Self-contained breathing apparatus, protective gloves and clothing
<b>Extinguishing Media:</b>	Water fog, Foam, carbon dioxide, dry chemicals
<b>HazChem Code</b>	2XE
<b>Special Fire Fighting Methods:</b>	Prevent run off entering waterways

### Section 6 – Accidental Release Measures

	<b>Small Spill (non-emergency personal)</b>
<b>Spills and Disposal:</b>	Absorb spill with an inert material and place in suitable labelled container. We recommend kitty litter. For final clean-up, a detergent - based solvent may be required. DO NOT wash down drain.
<b>Protective Equipment:</b>	Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).
<b>Environmental Precautions:</b>	Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.
	<b>Large Spill (emergency personal)</b>
<b>Spills and Disposal:</b>	Absorb spill with an inert material and place in suitable labelled container. We recommend kitty litter. For final cleaning up, a detergent based solvent may be required. DO NOT wash down drain.
<b>Protective Equipment:</b>	Wear protective nitrile rubber gloves, face/eye protection and appropriate half-mask respirator (see section 8).
<b>Environmental Precautions:</b>	Avoid entry into waterways or streams. Prevent washings from entering waterways by damming or covering drain entrances, if safe to do so.
<b>Prevention</b>	Level 1 emergency management plans need to be in place for quantities between 0.1 and 5 kg Level 2 emergency management plans need to be in place for all workplaces and or quantities between 5 kg and 100 kg Level 3 emergency management plans need to be in place for quantities above 100 kg  See Hazardous Substances (Emergency Management) Regulations 2001



**Section 7– Handling and Storage**

- Storage:** Store out of direct sunlight.  
Keep out of reach of children.  
Do not store near waterways.  
Do not store where damage may occur.  
Do not store where it may be accidentally used.  
Store in original container with all labels intact and legible.
- 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.  
Avoid unintended release to the environment.
- Approved Handler** Do not apply
- Tracking regulations:** Do not apply
- Record Keeping** Good inventory management is required for all hazardous chemicals

**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:** Workplace exposure - Not available  
Tolerable Exposure Limits (TEL): Not available  
Environmental Exposure Limits (EEL): Not available
- 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 unit suitable for the conditions. Do not use in an irrespirable atmosphere  
**Gloves** Wear nitrile rubber gloves with a minimum layer thickness of 0.11 mm. 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
- Hygiene Precautions:** Do not eat, drink or smoke when using this product. Be careful not to contaminate yourself when removing contaminated clothing. Wash hands, arms and face thoroughly before taking a break.
- Engineering Controls:** Handle in well ventilated area.



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Donaghys Mycotak®

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### Section 9 – Physical and Chemical Properties

<b>Appearance:</b>	White to grey powder
<b>Odour</b>	Not available
<b>pH:</b>	6.0-8.0
<b>Vapour Pressure:</b>	0.09 mPa
<b>Vapour Density</b>	Not available
<b>Boiling Point:</b>	>100 °C
<b>Freezing/Melting point</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Solubility:</b>	Soluble in water, methanol, diethyl ether and acetone
<b>Density:</b>	Not available
<b>Dissociation Constant (pK<sub>a</sub>)</b>	Not available

### Section 10 – Stability and Reactivity

<b>Stability:</b>	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Conditions to Avoid:</b>	Avoid direct sunlight, avoid generation of dust and excessive heat
<b>Materials to Avoid:</b>	Alkaline substances
<b>Hazardous Decomposition Products:</b>	May give off toxic nitrogen and carbon oxides in a fire

### Section 11 – Toxicological Information

<b>Oral LD<sub>50</sub>:</b>	LD <sub>50</sub> >100,000 mg kg <sup>-1</sup>
<b>Inhalation LC<sub>50</sub>:</b>	LC <sub>50</sub> >5.4 mg L <sup>-1</sup> 4hr <sup>-1</sup>
<b>Dermal:</b>	LD <sub>50</sub> >5000 mg kg <sup>-1</sup>
<b>Ocular:</b>	Slightly irritating
<b>Carcinogenicity:</b>	Carbendazim may cause cancer
<b>Reproductive toxicity</b>	Abortions and some birth defects were found in studies of laboratory animals daily exposed to high amounts of carbendazim during pregnancy
<b>Genotoxicity</b>	Strong evidence to show genotoxicity behaviour
<b>Neurotoxicity</b>	There is some evidence to suggest an adverse effect on developmental neurology

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

Ver: 0823



**Section 12 - Ecological Information**

<b>EPA Classification:</b>	9.1A, 9.2B
<b>Aquatic toxicity:</b>	Very toxic to aquatic species with long lasting effects. No toxicity data is available.
<b>Vertebrate toxicity</b>	No data available
<b>Invertebrate toxicity</b>	No data available
<b>Soil toxicity</b>	Toxic to the soil environment with a 5-10 day half-life
<b>Bioaccumulation</b>	No evidence for bioaccumulation
<b>Atmospheric toxicity</b>	No data available
<b>General</b>	Do not allow uncontrolled release into the environment. Do not use where bees are foraging.

**Section 13 – Disposal Considerations**

<b>Product Disposal:</b>	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**

<b>Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S (Contains: carbendazim)
<b>UN Number:</b>	3077
<b>DG Class:</b>	9
<b>Packing Group:</b>	III
<b>HAZCHEM Code:</b>	2XE

**Section 15 – Regulatory Information**

<b>EPA NZ Registration Code:</b>	HSR000455
<b>ACVM Approval Number:</b>	P005818
<b>Approved handler:</b>	Not required
<b>Tracking requirements:</b>	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.

**POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)**