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**Donaghys LIQUID Mycotak®**

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

**Product Name** DONAGHYS LIQUID MYCOTAK®.  
**Company** Donaghys Ltd.  
16 Sheffield Crescent  
**Address** PO Box 20 449  
Christchurch.  
**Telephone Number** 0800 942 006.  
**Recommended Use** For control the causal organism of Facial Eczema.

**Section 2 – Hazard Identification**

Classified as hazardous according to criteria in the Hazardous Substances Regulations 2001.

**EPA NZ Approval Code** HSR000453

**HSNO Classification/ Hazard Classes**



- 6.6A Suspected mutagen
- 6.8A Reproductive/ Developmental toxicant
- 6.9B Target organ systemic toxicant



- 9.1A Aquatic toxicant
- 9.2B Soil ecotoxicant

**Hazard Statements.**

H340 May cause genetic defects.  
H360 May damage fertility or the unborn child.  
H371 May cause damage to organs.  
H400/H410 Very toxic to aquatic life with long lasting effects.  
H422 Toxic to the soil environment.

**Prevention Statements (For more information refer to Section 7).**

P103 Read label before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P281 Use personal protective equipment as required.  
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.  
P273 Avoid release to the environment.

**Response Statements (For more information refer to Section 4).**

P308+P313 If exposed or concerned: Get medical advice/ attention.  
P309+P311 If exposed or feel unwell: Call a POISON CENTER or doctor/ physician.  
P391 Collect spillage.

**Section 3 – Composition Information**

<b>Chemical Entity</b>	<b>CAS No.</b>	<b>Content [%]</b>
Carbendazim	83601-81-4	50%
Other ingredients, including solvents and surfactants	Trade Secret	50%

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**Section 4 – First Aid Measures**

<b>If Swallowed</b>	NEVER give anything by mouth to an unconscious person. Do not induce vomiting.
<b>If in eyes</b>	Immediately call a POISON CENTRE or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing.
<b>If on skin</b>	Immediately call a POISON CENTRE or doctor / physician. Wash with plenty of soap and water. Wash contaminated clothing before re-use.
<b>If inhaled</b>	If irritation persists call a POISON CENTRE or doctor/physician. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, immediately call a POISON CENTRE or doctor / physician.
<b>Advice to Doctor</b>	No specific antidote. Antihistamines or steroid cream have been effective in treatment of skin.

**Section 5 – Fire-fighting Measures**

<b>Flashpoint</b>	N/A.
<b>Combustion Products</b>	Fire decomposition products may be toxic if inhaled.
<b>Flammability Limits</b>	N/A.
<b>Protective Equipment</b>	Breathing apparatus, face shield or protective goggles, and neoprene rubber gloves and boots.
<b>Extinguishing Media</b>	Sprayed water jet, foam, dry chemical powder, CO <sub>2</sub> and sand
<b>Special Fire Fighting Methods</b>	Do not allow water to enter drains.

**Section 6 – Accidental Release Measures**

<b>Spills and Disposal</b>	
<b>Minor Spills</b>	<ol style="list-style-type: none"><li>1: Slippery when spilt. Clean up all spills immediately.</li><li>2: Avoid breathing vapours and contact with skin and eyes.</li><li>3: Control personal contact by using protective equipment.</li><li>4: Contain and absorb spill with sand, earth, inert material or vermiculite.</li><li>5: Wipe up.</li><li>6: Place in a suitable labelled container for waste disposal.</li></ol>
<b>Major Spills</b>	<ol style="list-style-type: none"><li>1: Clear area of personnel.</li><li>2: Alert Fire Brigade and tell them location and nature of hazard.</li><li>3: Control personal contact by using protective equipment as required.</li><li>4: Prevent spillage from entering drains or waterways.</li><li>5: Contain spill with sand, earth or vermiculite.</li><li>6: Collect recoverable product into labelled containers for recycling.</li><li>7: Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.</li><li>8: Wash area and absorb further with inert material. Prevent runoff into drains or waterways.</li><li>9: If contamination of drains or waterways occurs, advise emergency services.</li></ol>

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<b>Disposal</b>	1: Recycle wherever possible or consult manufacturer for recycling options. 2: Consult State Land Waste Management Authority for disposal. 3: Treat and neutralise with slaked lime at an effluent treatment plant. 4: Recycle containers; otherwise dispose of in an authorised landfill.
<b>Protective Equipment</b>	Wear neoprene gloves and boots, overalls and face/eye protection.
<b>Environmental Precautions</b>	Avoid entry into waterways or streams. Prevent washings from entering waterways.

### Section 7– Handling and Storage

<b>Storage</b>	<b>SUITABLE CONTAINER</b> Keep out of reach of children. Protect from direct heat and sunlight. Check all containers are clearly labelled and free from leaks.
<b>Storage Incompatibility</b>	Do not store with Class 1 Explosives.
<b>Storage Requirements</b>	1: Store in original containers. 2: Keep containers securely sealed and locked away to prevent access of unauthorized personnel. 3: Store securely in dry place. 4: Store away from foodstuff containers, seeds, fertilizers and pesticides. 5: Protect containers against physical damage and check regularly for leaks. 6: Observe storing and handling recommendations on label. 7: this substance is subject to a requirement for a Level 2 emergency management plan, secondary containment and signage, whenever it is held in quantities of 100L or more.
<b>Handling</b>	Do not handle until all safety instructions have been read and understood. Wear eye protection. Wash hands and exposed skin thoroughly after handling. Avoid release to the environment.

### 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.**

<b>Exposure Limits</b>	Not established by OSHA for liquid products. Inhalation LC50 dry technical chlorothalonil (1hr for rats) 4.7 mg/L air.
<b>Protective Equipment</b>	Observe good work place practices and avoid contact with skin and eyes. Wear overalls, safety glasses and neoprene gloves when handling. Wear eye / face protection. In case of inadequate ventilation wear respiratory protection. Correct fit is essential to obtain adequate protection.
<b>Hygiene Precautions</b>	Do not eat, drink or smoke when using this product.

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**Engineering Controls** General exhaust is adequate under normal operating conditions.  
If risk of overexposure exists, wear SAA approved respirator.  
Correct fit is essential to obtain adequate protection.  
Provide adequate ventilation in warehouse or closed storage areas.

**Section 9 – Physical and Chemical Properties**

**Appearance** Viscous liquid.  
**Odour** Specific odour.  
**Specific Gravity** 1.037-1.2.  
**pH** 4-8.  
**Vapour Pressure** N/A.  
**Flash Point** N/A.

**Section 10 – Stability and Reactivity**

**Stability** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  
**Conditions to Avoid** None.  
**Materials to Avoid** Store only in the container supplied. Use the recommended delivery equipment.  
**Hazardous Decomposition Products** None if stored and handled correctly. If product is involved in fire, sulphur dioxide gas may be formed.

**Section 11 – Toxicological Information**

**Acute oral** Low dose single toxicity. LD50 (rat & mouse)>5000 mg/Kg of active.  
**Acute dermal** LD50 (DERMAL) >5000 mg/kg (rabbit). Not likely to be absorbed in acutely toxic amounts.  
**Acute inhalation** May cause irritation to respiratory tract.  
**Other toxicity information** DANGER: May cause genetic defects via route of exposure.  
DANGER: May damage fertility or the unborn child-via exposure route.  
WARNING: May cause damage to organs etc.

**Section 12 - Ecological Information**

**Aquatic toxicity** Very toxic to aquatic life with long lasting effects.  
**Soil toxicity** Very toxic to the soil environment.

**Section 13 – Disposal Considerations**

**Product Disposal** If possible dispose of by using according to the label, otherwise dispose of in an approved landfill or bury below 50 cm in a disposal pit specifically marked and set up for this purpose clear of waterways.  
**Container Disposal** Triple rinse container and add residue to feed system. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise crush and bury in a suitable landfill.

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**Section 14 – Transport Information**

<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Carbendazim).
<b>UN Number</b>	3082.
<b>DG Class</b>	9.
<b>Subsidiary Risk Class</b>	N/A.
<b>Packing Group</b>	III.
<b>HAZCHEM Code</b>	3Z.

**Section 15 – Regulatory Information**

<b>EPA NZ Registration Code</b>	HSR000453 See <a href="http://www.epa.govt.nz">http://www.epa.govt.nz</a> for approval conditions.
<b>NZFSA Approval Number</b>	P8688 See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions.

**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.

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

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