



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

Product Name: Donaghys FoliActive
Company: Donaghys Ltd.
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code:
Recommended Use: A biofungicide for the control of powdery mildew and botrytis on grape vines. Also a plant growth stimulant.

Section 2 – Hazard Identification

Hazard Classes: 6.4A, 9.1D
ERMA NZ Approval Code: HSR007829

Section 3 – Composition Information

Chemical Entity	CAS No.	Content
<i>Bacillus subtilis</i> KTSB strain		>60,000 cfu/g
Monopotassium phosphate	7778-77-0	180 g/L
Magnesium Sulfate	7487-88-9	101 g/L
Other ingredients in non-hazardous quantities		balance

Section 4 – First Aid Measures

If Swallowed: DO NOT induce vomiting. Rinse mouth. If unwell get medical advice/attention

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, contact a POISON CENTRE or doctor/physician.

If on skin: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist get medical advice/attention.

Advice to Doctor:

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



Section 5 – Fire-fighting Measures

Flashpoint:	Not flammable
Combustion	May produce small quantities of toxic gases in extreme fire conditions
Products:	
Flammability Limits:	N/A
Protective Equipment:	Breathing apparatus and protective gloves and clothing
Extinguishing Media:	Based on surrounding materials
Special Fire Fighting Methods:	None

Section 6 – Accidental Release Measures

Spills and Disposal:	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface, and dispose of according to local and regional authority requirements.
Protective Equipment:	Wear protective gloves and face/eye protection
Environmental Precautions:	Avoid entry into waterways or streams. Prevent washings from entering waterways.

Section 7– Handling and Storage

Storage:	Store out of direct sunlight. Keep out of reach of children.
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.
Other Information:	

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:	N/A
Protective Equipment:	Observe good work place practices and avoid contact with skin and eyes. Wear overalls, safety glasses and waterproof gloves when handling. Wear eye / face protection. In case of inadequate ventilation wear respiratory protection.
Hygiene Precautions:	Do not eat, drink or smoke when using this product.
Engineering Controls:	Not applicable



Section 9 – Physical and Chemical Properties

Appearance:	Brown liquid
Odour:	Faint molasses odour
Specific Gravity:	1.0 – 1.2
pH:	4.0 – 7.0
Vapour Pressure:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Flammability Limits:	N/A
Solubility:	Product is an aqueous solution

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
Materials to Avoid:	None
Hazardous Decomposition Products:	None

Section 11 – Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Ingestion:	Product has no acutely toxic effects, but contains trace amounts of hazardous chemicals.
Inhalation:	Product has limited risk of inhalation. May cause respiratory symptoms in some people.
Dermal:	Product is not harmful to the skin.
Ocular:	Product is severely irritating to the eyes. See the First Aid section above for treatment guidelines.
Mutagenicity:	Product has no known mutagenic properties.
Carcinogenicity:	Product has no known carcinogenic properties.
Reproductive Effects:	Product has no known effects on reproduction.
Chronic Effects:	Product has no known long term effects.

Section 12 - Ecological Information

ERMA Classification:	9.1D
Ecotoxicity:	Harmful to the aquatic environment
Bioaccumulation:	Product is not known to be persistent or bioaccumulative



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 spray system. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise crush and bury in a suitable landfill.

Section 14 – Transport Information

- Proper Shipping Name:** None assigned
- UN Number:** None assigned
- DG Class:** None assigned
- Subsidiary Risk Class:** None assigned
- Packing Group:** None assigned
- HAZCHEM Code:** None assigned

Section 15 – Regulatory Information

- ERMA NZ Registration Code:** HSR007829
- ACVM Approval Number:** P7785

Section 16 – Other Information

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)