




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

Product Name: TwinAL Tape HiMin
Company: Donaghys Ltd.
Address: 16 Sheffield Crescent
 PO Box 20 449
 Christchurch
Telephone Number: 0800 942 006
Recommended Use: For the treatment and control in sheep of all major gastrointestinal parasites, including those with resistance to the benzimidazole or levamisole/ morantel families. Also treats and controls lungworms and tapeworms, and is an aid in the control of adult fluke.

Section 2 – Hazard Identification

Hazard Classes		
	6.1E(O)	Harmful if swallowed
	6.1E(Asp)	May be harmful if swallowed or enters airways
	6.1E(D)	May be harmful in contact with skin
	6.1E(I)	May be harmful if Inhaled
	6.5A	May cause allergy or asthma symptoms or breathing difficulties if inhaled
	6.5B	May cause an allergic skin reaction
	6.6B	Suspected of causing genetic defects
	6.7B	Suspected of causing cancer
	6.8A	May damage fertility or the unborn child
	6.9B	May cause damage to organs
9.1C	Harmful to aquatic life with long lasting effects	
	9.2C	Harmful to the soil environment
Prevention statements		
	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.
	P261	Avoid breathing mist/vapours/spray.
	P264	Wash thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment
	P280	Wear protective gloves/protective clothing/
	P281	Use personal protective equipment as required.
	P285	In case of inadequate ventilation wear respiratory protection.
EPA NZ Approval Code	: HSR100759	
Signal word	: DANGER	

IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Levamisole hydrochloride	16595-80-5	4.0%
Oxfendazole micronised	53716-50-0	2.3%
Copper glycinate	13479-54-4	<10%
Cobalt glycinate	14281-74-4	<5%
Sodium selenate	13410-01-0	<1%
Zinc glycinate	7214-08-6	<5%
EDDI	5700-49-2	<1%
Trade secret		To 100%

Section 4 – First Aid Measures

If Swallowed:	Immediately call a POISON CENTER or contact a doctor/physician. Do NOT induce vomiting.
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical advice/attention.
If on skin:	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before use.
If inhaled:	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call the POISON CENTRE or doctor/physician.

If exposed or if you feel unwell: Call the POISON CENTER or contact a doctor/physician . If medical advice is needed, have product container or label at hand

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

Section 5 – Fire-fighting Measures

Suitable Extinguishing Media:	Alcohol resistant foam, dry chemical powder, carbon dioxide and water spray.
Unsuitable Extinguishing Media:	No information available
Hazardous combustion products:	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas
Protective Equipment:	Self contained breathing apparatus and protective gloves and clothing
Flashpoint:	Not available

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Section 6 – Accidental Release Measures

Spills and Disposal:	Evacuate personnel to safe areas. Avoid breathing vapours or mist. Use appropriate tools to put spilt material in a suitable chemical waste container. Clean contaminated surface thoroughly.
Protective Equipment:	Wear protective gloves and face/eye protection and protective clothing.
Environmental Precautions:	Prevent washings from entering waterways. Do NOT flush into surface water or sanitary sewer system

Section 7– Handling and Storage

Technical precautions:	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Safe handling advice:	Wear personal protective equipment. Use only in well ventilated areas. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do NOT ingest.
Storage conditions:	Store below 25°C in original container tightly closed and in a locked, dry and well-ventilated area, away from foodstuffs. Do not freeze.
Incompatible Materials:	No information available

Section 8 – Exposure Controls/Personal Protection

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:	General exhaust is adequate under normal operating conditions.

Section 9 – Physical and Chemical Properties

Appearance:	Viscous homogenous blue liquid
Odour:	No information available
Specific Gravity:	1.0 - 1.2
pH:	4.1 – 4.9
Viscosity:	2000-5000mPa.s

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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:	No information available
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon oxides, Nitrogen oxides (NO _x), Sulphur oxides, Hydrogen chloride gas

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 may be harmful if swallowed.
Inhalation:	Product may be harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Dermal:	May cause an allergic skin reaction. May be harmful in contact with skin.
Ocular:	No information available.
Chronic Effects:	Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs.
Mutagenic effects:	Suspected of causing genetic defects
Sensitization:	No information available.

Section 12 - Ecological Information

Ecotoxicity:	Harmful to aquatic life with long lasting effects. Harmful to soil environment.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.

Section 13 – Disposal Considerations

Product and container Disposal:	Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit www.agrecovery.co.nz .
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Section 14 – Transport Information

International Regulations IATA-DGR

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID MIXTURE, N.O.S. (contains albendazole, sodium selenate)
UN Number: 3082
Hazard class: 9
Subsidiary Risk Class: No information available
Packing Group: III
Marine pollutant: Yes
EmS Fire: F-A
EmS Spill: S-F

IMDG-Code

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Class: 9
Packing group: III
Marine pollutant: Yes

Section 15 – Regulatory Information

EPA NZ Registration Code: HSR100759
ACVM Registration Number: A011744

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)