




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

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| Product Name: | TwinAL Tape HiMin |
| Company: | Donaghys Ltd. |
| Address: | 16 Sheffield Crescent PO Box 20 449 Christchurch |
| Telephone Number: | 0800 942 006 |
| Manufacturer Product Code: | AGST0010 |
| 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

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| HSNO Classifications | 6.1E, 6.5A, 6.5B, 6.6B, 6.7B, 6.8A, 6.9B, 9.1C, 9.2C |
| GHS Classifications: | Aspiration hazard Category 1 Respiratory sensitisation Category 1 Skin sensitisation Category 1 Germ cell mutagenicity Category 2 Germ cell mutagenicity Category 2 Carcinogenicity Category 2 Reproductive toxicity Category 1 Specific target organ toxicity – single exposure Category 2 Hazardous to the aquatic environment chronic Category 3 Hazardous to soil organisms |
|  | |
| Hazard Statements: | H303 - Harmful if swallowed H304 - May be fatal if swallowed and enters airways H313 - May be harmful in contact with skin H317 - May cause an allergic skin reaction H333 - May be harmful if Inhaled H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H341 - Suspected of causing genetic defects H351 - Suspected of causing cancer H360 - May damage fertility or the unborn child H371 - May cause damage to organs H412 - Harmful to aquatic life with long lasting effects H423 - 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. |



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| Prevention statements: (continued) | 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 |

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

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| 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

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| 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 (NO _x), Sulphur oxides, Hydrogen chloride gas |
| Protective Equipment: | Self-contained breathing apparatus and protective gloves and clothing |
| Flashpoint: | Not available |

Section 6 – Accidental Release Measures

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| 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

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| 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

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| Exposure Limits: | N/A |
| Protective Equipment: | Observe good workplace 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. |

IN CASE OF EMERGENCY PHONE

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 9 – Physical and Chemical Properties

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

Section 10 – Stability and Reactivity

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| 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 (NOx), Sulphur oxides, Hydrogen chloride gas |

Section 11 – Toxicological Information

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

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| 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

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| 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. |

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**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.

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

UN number: UN 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID MIXTURE, N.O.S. (contains albendazole, sodium selenate)

Hazard 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)

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