



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

Product Name: Duell Tape HiMin
Other Product Names:
Application: For the control of roundworms, lungworms adult liver fluke and tapeworms in sheep.
ERMA approval: HSR001919
ERMA group name: Liquid containing 20 - 30 g/litre albendazole, 35 - 40 g/litre levamisole hydrochloride, 15 - 23 g/litre praziquantel and 0.6 - 1.8 g/litre sodium selenate
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code:

Section 2 – Hazard Identification

Hazard Classifications



6.1E Acutely Toxic Substance
6.3B Substances that are Mildly Irritating to the Skin
6.5B Substances that are Contact Sensitisers
6.6B Substances that are Suspected Human Mutagens
6.8A Substances that are Known or Presumed Human Reproductive or Developmental Toxins
6.9B Substances that are Harmful to Human Target Organs or Systems
9.1A Substances that are Very Ecotoxic in the Aquatic Environment
9.2C Substances that are Harmful in the Soil Environment

Controls for hazardous substances:

- Level 2 Emergency Management Information required when > 0.1L is present in a workplace.
- Level 3 Emergency Management Plans required when > 100 L is present in a workplace.
- Where an excess of 100L is stored, signage is required for ecotoxic substances

Approved handler and tracking controls have been removed from this product. Controls of hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will take into account aggregate quantities. Contact an ERMA Approved Test Certifier for further information and guidance.

Section 3 – Composition Information

Chemical Entity	CAS No.	Proportion
Albendazole	54965-21-8	25g/L
Levamisole	16595-80-5	35-40g/L
Praziquantel	55268-74-1	18-20g/L
Sodium Selenate	13410-01-0	0.6-1.8g/L

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Section 4 – First Aid Measures

General Information:	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately.
Skin Contact:	Remove all contaminated clothing, including footwear. Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation persists. Take container / label or MSDS for identification.
Eye Contact:	Immediately wash open eye in a flow of water for at least 15 minutes. Seek medical assistance if discomfort continues. Take container / label or MSDS for identification.
Ingestion:	Rinse mouth with water. Seek immediate medical assistance. Do not induce vomiting. Do not give fluids to dilute. Never give anything by mouth to an unconscious person. Take container / label or MSDS for identification.
Inhalation:	Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek medical assistance. Take container / label or MSDS for identification.
Further Information:	Contact the National Poisons and Hazardous Chemicals Information Centre in Dunedin, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.

Section 5 – Fire-fighting Measures

Extinguishing media and methods:	Sprayed water jet, foam, dry chemical powder CO2 and sand.
Recommended protective clothing:	Fire fighters should wear self-contained breathing apparatus in enclosed areas
Further Information:	Make provision for product and firefighting water to be retained

Section 6 – Accidental Release Measures

Spill and leak procedure:	Do not empty into drains or waters. Take up spilled product with absorbent material (e.g. sawdust, peat, chemical binder). Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth and bleach solution. Also place used cleaning materials into closable receptacles. Do not eat, drink or smoke during cleanup operation
Further information:	Decontaminate protective clothing with a solution of chlorine bleach.

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Section 7– Handling and Storage

- Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and fully understood. Keep container tightly closed.
- Storage:** Store in original container in a cool well ventilated locked place. Store away from water, food stuffs, feed or seed. Keep out of reach of children.

Section 8 – Exposure Controls/Personal Protection

- Engineering measures:** Use in well ventilated area.
- Respiratory Protection:** Not usually required.
- Hand Protection:** Protective gloves for chemical use.
- Eye Protection:** No eye protection required under normal conditions, under other conditions use chemical safety goggles:
- Hygiene measures:** Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Change badly soiled or soaked clothing. Clothing should consist of overalls with long sleeves and impervious gloves. Wash hands before breaks and at the end of work. Remove contaminated protective clothing. Keep away from food stuffs, drinks and tobacco. Women at risk of becoming pregnant, or in early pregnancy should not be directly involved in handling.

Section 9 – Physical and Chemical Properties

- Form:** Suspension
- Colour:** Off white
- Boiling point:** Ca 100° C.
- Specific gravity:** 1.0g / mL

Section 10 – Stability and Reactivity

- Hazardous decomposition products:** None when stored and handled correctly.

Section 11 – Toxicological Information

- Skin irritation:** Mild skin irritant
- Eye irritation:** Non irritant
- Further information:** (Albendazole) no cumulative effect. An oral dose of 2-10 mg/kg/day for 90 days was well tolerated in dogs. Embryotoxicity was reported at the oral dose of 10 mg/kg bw in the first part of pregnancy in sheep.

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Section 12 - Ecological Information

Do not allow product to escape into water ways, waste water or the soil environment. Albendazole is not toxic to birds, fish and honey bees. It does not bioaccumulate in animal systems. It does not leach into soils and is readily degraded by hydrolysis and microbial action. Levamisole does not bioaccumulate and is not toxic to birds, fish and honey bees. It does not leach into soils and is readily degraded by hydrolysis and microbial action.

Section 13 – Disposal Considerations

Disposal: Ensure product is not discharged to the environment. Recycle wherever possible. For disposal use a certified waste disposal company.

Section 14 – Transport Information

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID. N.O.S. (Sodium selenate)
UN Number: 3082
Hazard Class: 9
Hazchem Code: 2X
Packing Group: III
Flashpoint °C: -
Marine pollutant: -
Hazardous substances regulations: Maximum quantity per package permitted on passenger service vehicles 0.1L

Section 15 – Regulatory Information

ERMA NZ Registration Code: HSR001919
See <http://www.epa.govt.nz> for approval conditions
NZFSA Approval Number: AXXXXX
See www.foodsafety.govt.nz for registration conditions

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)