



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

Product Name: TrivAL Sheep HiMin
Company: Donaghys Ltd.
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch

Telephone Number: 0800 942 006
Manufacturer Product Code: APTSA0020
Recommended Use: For the treatment & control of all major gastrointestinal parasites in sheep, including strains with single or dual resistance to benzimidazole, levamisole/morantel & avermectin/milbemycin families. Also treats & controls lungworm, itch mite, tapeworm, larval stages of nasal bot, & aids in the control of adult liver fluke infection in sheep. Provides a supplemental source of copper, selenium, zinc, iodine & cobalt.

Section 2 – Hazard Identification

GHS Classifications: Acute inhalation toxicity Category 4
Skin sensitisation Category 1
Germ cell mutagenicity Category 2
Reproductive toxicity Category 1
Effects on or via lactation
Specific target organ toxicity – single exposure Category 2
Hazardous to the aquatic environment chronic Category 1
Hazardous to terrestrial vertebrates
Hazardous to terrestrial invertebrates

GHS Pictograms:



Hazard Statements:

H332	Harmful if inhaled
H317	May cause an allergic skin reaction
H341	Suspected of causing genetic defects
H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H371	May cause damage to organs
H400	Very toxic to aquatic life
	Hazardous to terrestrial vertebrates
	Hazardous to terrestrial invertebrates

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
P260	Do not breathe mist/vapours/spray
P261	Avoid breathing mist/vapours/spray

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Prevention Statements: P263 Avoid contact during pregnancy or while nursing
(Continued) P264 Wash hands 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/clothing

Response Statements: P101 If medical advice is needed, have product container or label at hand.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P391 Collect spillage.

Storage: P405 Store locked up.

Signal word: DANGER

EPA NZ Approval Code: HSR100758
Veterinary Medicines (Non-dispersive Closed System Application)
Group Standard 2020

Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Abamectin	71751-41-2	1%
Levamisole HCL	16595-80-5	4%
Albendazole	54965-21-8	2.5%
Sodium selenate	13410-01-0	1.2%

Other active ingredients are Copper (8.3g/L), Zinc (1.6g/L), cobalt (1.0g/L), Iodine (0.95g/L)



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. If exposed or concerned, seek medical attention.
- If swallowed:** 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.
- If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek medical attention.
- If on skin:** 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.
- If inhaled:** Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek medical assistance. Take container / label or MSDS for identification.
- If exposed or if you feel unwell:** Call the **POISON CENTRE** 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:** 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:** Collect spillage. Avoid release into the environment. 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 and read label before use. Do not handle until all safety precautions have been read and fully understood. Wash hands thoroughly after handling. Keep container tightly closed. Avoid breathing vapour, mist or spray.
- Storage:** Store locked up. 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:** Face shield or chemical safety goggles
- Hygiene measures:** Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Contaminated work clothing should not be allowed out of the workplace. 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. Wash contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

- Appearance:** Blue to purple viscous suspension
- Odour:** Specific odour
- Specific Gravity:** 1.0 – 1.2
- pH:** 4.1 – 5.28

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



Section 11 – Toxicological Information

- Acute toxicity:** Acute toxicity results for the active (Albendazole)
LD50 (Oral) 500 - 1250mg/kg (Rabbit)
Potential skin sensitizer (Guinea pig)
- Acute toxicity results for the active (Levamisole)
LD50 (Oral) 200mg/kg (rat and mouse)
LD50 (Contact) Cross reference to levamisole (CAS 14769-73-4)
- Acute toxicity results for the active (Abamectin)
LD50 (Oral) 8.7 - 12.8mg/kg (Rat)
- Skin irritation:** Mild skin irritant
- Eye irritation:** Eye 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.

Section 12 - Ecological Information

Do not allow product to escape into waterways, wastewater or the soil environment. Albendazole is not toxic to birds, fish and honeybees. 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 honeybees. It does not leach into soils and is readily degraded by hydrolysis and microbial action.

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

- Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID. N.O.S. (0.1% abamectin, selenium)
- UN Number:** 3082
- Hazard class:** 9
- Hazchem Code:** 3Z
- Packing Group:** III
- Flashpoint:** >93°C
- Marine pollutant:** Yes
- Hazardous substances regulations:** Maximum quantity per package permitted on passenger service vehicles 1L

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Section 15 – Regulatory Information

EPA NZ Registration Code: HSR100758
See <http://www.epa.govt.nz> for approval conditions

ACVM Registration Number: A011629
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)

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