



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

Product Name: DONAGHYS TRIVOX SHEEP
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
 PO Box 20 449
 Christchurch
 0800 942 006

Telephone Number:
Manufacturer Product Code:
Recommended Use: For the treatment and control of internal parasites in sheep

Section 2 – Hazard Identification

Hazard Classes:



- 6.1D Acute toxicity (oral)
- 6.5B Skin irritancy
- 6.6B Eye irritancy
- 6.8B Reproductive/ developmental toxicant
- 6.8C Reproductive/ developmental toxicant (via lactation)
- 6.9B Target organ/ system toxicity
- 9.1A Aquatic toxicity
- 9.3C Terrestrial vertebrate ecotoxicity
- 9.4B Terrestrial invertebrate ecotoxicity



EPA NZ Approval Code: HSR100758

Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Abamectin	71751-41-2	1%
Levamisole HCL	16595-80-5	4%
Oxfendazole	53716-50-0	2.265%
Sodium selenate	13410-01-0	0.05%
Other active ingredients are Copper (2.1g/L), Zinc (0.6g/L), cobalt (0.21g/L), Iodine (0.76g/L)		



Section 4 – First Aid Measures

- If Swallowed:** NEVER give anything by mouth to an unconscious person. Rinse mouth and give water or milk to drink. Immediately call a POISON CENTRE or doctor/physician.
- If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing. Immediately call a POISON CENTRE or doctor / physician.
- If on skin:** Wash with plenty of soap and water. Wash contaminated clothing before re-use. If irritation persists call a POISON CENTRE or doctor/physician.
- If inhaled:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, immediately call a POISON CENTRE or doctor / physician.
- Advice to Doctor:** Treat symptomatically.

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Section 5 – Fire-fighting Measures

- Protective Equipment:** Self contained breathing apparatus must be worn in enclosed areas
- Extinguishing Media:** Sprayed water jet, foam, dry chemical powder, CO₂ and sand
- Special Fire Fighting Methods:** Do not allow water to enter drains

Section 6 – Accidental Release Measures

- Spills and Disposal:** **MAJOR SPILLS**
Slippery when spilt. Minor hazard.
1: Clear area of personnel.
2: Alert Fire Brigade and tell them location and nature of hazard.
3: Control personal contact by using protective equipment as required.
4: Prevent spillage from entering drains or waterways.
5: Contain spill with sand, earth or vermiculite.
6: Collect recoverable product into labelled containers for recycling.
7: Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.
8: Wash area and absorb further with inert material. Prevent runoff into drains or waterways.
9: If contamination of drains or waterways occurs, advise emergency services.
- Minor Spills:**
Slippery when spilt.
1: Clean up all spills immediately.
2: Avoid breathing vapours and contact with skin and eyes.
3: Control personal contact by using protective equipment.

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- 4: Contain and absorb spill with sand, earth, inert material or vermiculite.
- 5: Wipe up.
- 6: Place in a suitable labelled container for waste disposal.

**Spills and Disposal:
(continued)**

Disposal:

- 1: Recycle wherever possible or consult manufacturer for recycling options.
- 2: Consult State Land Waste Management Authority for disposal.
- 3: Treat and neutralise with slaked lime at an effluent treatment plant.
- 4: Recycle containers, otherwise dispose of in an authorised landfill.

**Protective Equipment:
Environmental
Precautions:**

Wear neoprene gloves and boots, overalls.
Avoid entry into waterways or streams. Prevent washings from entering waterways.

Section 7– Handling and Storage

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.

Handling:

Do not handle until all safety instructions have been read and understood. Wash thoroughly after handling.
No eye protection is required under normal conditions, under other conditions use chemical safety goggles. Avoid breathing vapour, mist or spray.
Avoid release to the environment.

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.

**Engineering
measures:**

Use in well ventilated area.

**Protective
Equipment:**

Observe good work place practices and avoid contact with skin and eyes. Wear overalls, safety glasses and neoprene gloves when handling. Wear eye / face protection. Respiratory protection is not usually required.

**Hygiene
Precautions:**

Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Contaminated work clothing should not be allowed out of 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 becoming pregnant, or in early pregnancy should not be directly involved in handling. Wash contaminated clothing before use.

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Section 9 – Physical and Chemical Properties

Appearance:	Blue to purple suspension
Odour:	Specific odour
Specific Gravity:	1.01-1.04
pH:	4.0-5.0

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 effects:	Abamectin LD50 (Oral-rats) =8.7-12.8mg/kg Levamisole LD50 (Oral- Rat and Mouse) =200mg/kg
Skin irritation:	Mild skin irritant
Eye irritation:	Eye irritant

Section 12 - Ecological Information

Ecotoxicity (Abamectin):	EC50 (other) =0.43mg/L (48hrs)(Eastern oyster) LC50 (fish) =0.0036mg/L (96hrs)(Rainbow trout) LOEC (fish) =0.0000093mg/L (Rainbow trout) EC50 (other) =0.00034mg/L (48hrs)(Daphnia magna) NOEC (other) =0.00003mg/L (21 days)(Daphnia magna) Bioaccumulative: No Rapidly degradable: No Breakdown in water: Abamectin is rapidly degraded in water.
Ecotoxicity (Oxfendazole):	EC50 (other) =0.52mg/L (48 hrs)(Daphnia magna)
Ecotoxicity (Sodium Selenate):	LC50 (Crustacean) =0.083mg/L (48hrs) (gammarus Pseudolimnaeus Scud) EC50 (algal) =0.2mg/L (96hrs) (Selenastrum capricornutum Green algae) LC50 (fish) =0.69mg/L (96hrs)(Pimephales promelas Fathead minnow) NOEC (fish) =0.69mg/L (96hrs)(Pimephales promelas Fathead minnow) Bioaccumulative: Yes Rapidly degradable: No

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Readily degradable: No
May cause long term adverse effects in the aquatic environment.

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 feed 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** Environmentally Hazardous Substance, liquid, N.O.S. (0.1% Abamectin, 2.2% Oxfendazole, Selenium)
- Name:**
UN Number: 3082
DG Class: 9
Subsidiary Risk Class: None
Packing Group: III
HAZCHEM Code: 3Z
Marine Pollutant: Yes
Hazardous substances Regulations: Maximum quantity per package permitted on passenger service vehicles 1L.

Section 15 – Regulatory Information

- EPA NZ Registration Code:** HSR100758
See <http://www.epa.govt.nz> for approval conditions
- NZFSA Approval Number:** A011598
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)