



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
Telephone Number: 0800 942 006
Manufacturer Product Code: APTSHXXXX
Recommended Use: For the treatment and control of internal parasites in sheep

Section 2 – Hazard Identification

Hazard Classes



Acute oral toxicity Category 4
Skin sensitisation Category 1
Germ cell mutagenicity Category 2
Reproductive toxicity Category 2
Effects on or via lactation
Specific target organ toxicity- single exposure Category 2
Specific target organ toxicity- repeated exposure Category 2
Hazardous to the aquatic environment acute Category 1
Hazardous to the aquatic environment chronic Category 1
Hazardous to terrestrial vertebrates
Hazardous to terrestrial invertebrates

Hazard Statements

Harmful if swallowed.
May cause an allergic skin reaction.
Suspected of causing genetic defects.
Suspected of damaging fertility or the unborn child.
May cause harm to breast-fed children.
May cause damage to organs.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.
Harmful to terrestrial vertebrates.
Toxic to terrestrial invertebrates.

Prevention Statements

Keep out of reach of children.
Read label before use.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of workplace.
Wear protective gloves.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Avoid contact during pregnancy / while nursing.
Avoid release to the environment.

Signal Word: Warning
EPA NZ Approval Code: HSR100758

IN CASE OF EMERGENCY PHONE

New Zealand: National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)
International: INFOTRAC +1-352-323-3500



Section 3 – Composition Information

| Chemical Entity | CAS No. | Content [%] |
|-----------------|------------|-------------|
| Abamectin | 71751-41-2 | 0.1% |
| Levamisole HCL | 16595-80-5 | 4% |
| Oxfendazole | 53716-50-0 | 2.265% |
| Sodium selenate | 13410-01-0 | 0.05% |

Other active ingredients are Copper (2.1 g/L), Zinc (0.6 g/L), cobalt (0.21 g/L), Iodine (0.76 g/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, CO ₂ and sand |
| Special Fire Fighting Methods: | Do not allow water to enter drains |

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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.
- 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.

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:

Wear neoprene gloves and boots, overalls.

Environmental Precautions:

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.

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SDS No: Trivox Sheep Date: 05.06.2024 Version No: 2.1 Page 4 of 6

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 workplace 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.

Section 8 – Exposure Controls/Personal Protection (cont.)

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.

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

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Section 12 - Ecological Information

- Ecotoxicity (Abamectin):** EC50 (other) =0.43mg/L (48hrs)(Eastern oyster)
LC50 (fish) =0.0036mg/L (96hrs)(Rainbow trout)
LOEC (fish) =0.000093mg/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)

Section 12 - Ecological Information (cont.)

- 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
Readily degradable: No
May cause long term adverse effects in the Aquatic environment.
- EPA Classification:** Hazardous to the aquatic environment acute Category 1
Hazardous to the aquatic environment chronic Category 1
Hazardous to terrestrial vertebrates
Hazardous to terrestrial invertebrates

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.

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SDS No: Trivox Sheep

Date: 05.06.2024

Version No: 2.1

Page 6 of 6

Section 14 – Transport Information

Proper Shipping Name: Environmentally Hazardous Substance, liquid, N.O.S. (0.1% Abamectin, 2.2% Oxfendazole, Selenium)
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.

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