

Safety Data Sheet

Trio Tape

Created: August 2018

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Trio Tape
Recommended Use:	For the treatment and control of tapeworm and internal parasites in sheep.
Company Identification:	Ravensdown Limited
Address:	292 Main South Road Hornby Christchurch
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Telephone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency:	111 Fire and Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications: 6.1D, 6.5B, 6.6B, 6.8B, 6.9B, 9.1A, 9.2D, 9.3C, 9.4A.

Priority Identifiers: WARNING – Keep out of reach of children
Ecotoxic



Secondary Identifiers: 6.1E May be harmful if swallowed, inhaled or absorbed through the skin
6.5B May cause an allergic skin reaction
6.6B Suspected of causing genetic defects
6.8B Suspected of damaging fertility or the unborn child from repeated oral exposure
6.9B May cause damage to the nervous, cardiovascular, liver, blood and haematopoietic system through prolonged or repeated oral exposure at high doses
9.1A Very toxic to aquatic organism with long lasting effects
9.2D Harmful to the soil environment
9.3C Harmful to terrestrial vertebrates
9.4A Very toxic to terrestrial invertebrates

Risk and safety phases: R48/22 Harmful: Danger of serious damage to health by prolonged exposure if swallowed
R63 Possible risk of harm to the unborn child
R64 May cause harm to breast-fed babies
R50 Very toxic to aquatic organisms

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Ivermectin	70288-86-7	0.1%
Levamisole HCL	16595-80-5	4.0%
Oxfendazole	53716-50-0	2.27%
Praziquantel	55268-74-1	1.88%
EDTA Cobalt	15137-09-4	<10%

Sodium Selenate	13410-01-0	<1%
Citric Acid	77-92-9	<10%

Section 4: FIRST AID MEASURES

- General Information:** Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning. If medical advice is needed, have product container or label at hand.
- Inhalation:** Remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult give oxygen. Seek medical assistance immediately
- Ingestion:** If swallowed do NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. Seek medical attention immediately.
- Skin Contact:** If skin or hair contact occurs remove contaminated clothing and wash affected area thoroughly with plenty of soap and water for at least 15 minutes. If skin irritation or rash occurs, seek medical attention. Dispose of contaminated clothing promptly.
- Eye Contact:** If splashed in eyes, rinse cautiously with water for at least 15 minutes. Continue rinsing, & if eye irritation persists, seek medical attention.
- Hygiene practices:** Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face thoroughly before meals and after handling. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Not classified as flammable
- Hazardous Combustion Products:** If involved in a fire, may evolve carbon monoxide
- Extinguishing Media:** Water fog, foam, carbon dioxide or dry chemical
- Protective Equipment:** Full protective clothing and self-contained breathing apparatus
- HAZCHEM Code:** 3Z
- Location Certificate:** Not applicable
- Hazardous Atmosphere Zone:** Not applicable
- Fire Extinguishers:** Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. See Section 8 of the SDS for Personal Protective Equipment.
- Spills and Disposal:** Wear appropriate protective clothing. Exclude non-essential people from the area. Reposition any leaking containers so as to minimise further leakage. Contain spill, Dam and absorb spill with an absorbent material (e.g. sand, soil or absorbent granules) and place in a sealable waste container or use according to label directions. Dispose of waste safely in an approved landfill.
- Protective Clothing:** For appropriate personal protective equipment see section 8.
- Environmental Precaution:** Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Read label before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing mist. Avoid contact during pregnancy/while nursing. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Certified Handler: Not required. Tracking: Not required. Record Keeping: Records of use must be kept.
Storage:	Store at or below 30°C and in secure conditions. Protect from Light. Store in tightly closed original container in a well-ventilated area out of direct sunlight when not in use. Store away from foodstuffs, children and animals. Keep container sealed when not in use. This product is subject to emergency response plan, secondary containment and signage when stored in quantities of 100L or more, either alone or in aggregate with substances of the same hazard classification. For full details refer to NZS 8409 Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product.
Protective Equipment:	When opening the container and using the product wear protective clothing including waterproof gloves and eye protection, to avoid skin and eye contact.
Engineering Controls:	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of mist.
Hygiene Precautions:	When opening the container and using the product wear protective clothing including impermeable gloves and eye protection, to avoid skin and eye contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale purple liquid (aqueous suspension)
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.05
Specific gravity:	1.00 to 1.10
Solubility (ies):	Miscible in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Kinematic viscosity:	No data available

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for 24 months from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation will not occur
Materials to Avoid:	None known
Conditions to Avoid:	None known
Hazardous decomposition products:	No hazardous products are expected, except when heated to decomposition.

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.1D, 6.5B, 6.6B, 6.8B, 6.9B, 9.1A, 9.2D, 9.3C, 9.4A.
Acute toxicity:	
Inhalation:	EDTA Cobalt: Respiratory effects seen at 2.4 mg/m ³ in female Guinea-pigs
Ingestion:	Harmful if swallowed Ivermectin: LD50 11.6 mg/kg Levamisole: LD50 200mg/kg/bw Praziquantel: LD50 1050mg/kg/bw Sodium selenate: LD50 25mg/kg/bw Citric acid: LD50 5000mg/kg/bw
Aspiration hazard:	No information available
Respiratory irritation:	No information available
Skin corrosion/irritation:	Citric acid: Irritating
Eye damage/ irritation:	No information available
Respiratory or skin sensitisation:	No information available
Mutagenicity:	Levamisole: Mutagenic effects
Carcinogenicity:	Ivermectin: No evidence of mutagenic or carcinogenic effects
Reproductive toxicity:	Oxfendazole: NOEL 20mg/kg/bw/day for reproductive effects
Specific organ toxicity:	Cobalt: Causes respiratory tract irritation, may cause asthma and shortness of breath Sodium selenate: NOEL 0.37mg/kg/bw/day for Hepatotoxicity/Alimentary system effects
Narcotic effects:	No information available

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	6.1D, 6.5B, 6.6B, 6.8B, 6.9B, 9.1A, 9.2D, 9.3C, 9.4A.
Ecotoxicity:	
Aquatic:	Ivermectin: 96hr LC50 25ppb (Rainbow trout) Oxfendazole: 48hr LC50 0.52mg/L (Daphnia magna) Sodium selenate: 96hr LC50 0.69mg/L (Fathead minnow)
Terrestrial Vertebrates:	Levamisole: LD50 200mg/kg/bw
Persistence/Mobility:	No information available
Bioaccumulation:	No information available

Section 13: DISPOSAL INFORMATION

Product Disposal:	Dispose of product only by using according to label or at an approved landfill
Container Disposal:	Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Crush and bury in an approved landfill if an approved recycling system is not available. Do not burn. Do NOT use container for any other purpose.

Section 14: TRANSPORT INFORMATION

UN Number:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ivermectin)
DG Class:	9
Packing Group:	III
Environmental hazards:	Marine pollutant
Special precautions when transporting the substance:	: Avoid release to the environment.



Section 15: REGULATORY INFORMATION

ACVM: Registered pursuant to the ACVM Act 1997, A011504
See www.foodsafety.govt.nz for registration conditions

EPA: Approved pursuant to the HSNO Act 1996, Code: HSR100758
See www.epa.govt.nz for approval controls.

Section 16: OTHER INFORMATION

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.