



SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Toltrox**
 Pack size: 1L, 5L
 Product Use: For the treatment and prevention of coccidiosis in cattle up to 9 months caused by *Eimeria bovis* or *Eimeria zuernii*

Restriction of Use: Refer to Section 15

New Zealand Supplier: **Agrihealth NZ Ltd**
 Address: Level 2, 89 Grafton Road,
 Auckland 1010

Telephone: +64 9 215 1199
Emergency No: 0800 764 766 (National Poisons Centre)

Date of SDS Preparation: 23 October 2025

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: HSR100758 Veterinary medicines (Non-dispersive closed system application) Group Standard 2020

Pictograms:



Signal Word: **Warning**

GHS Category	Hazard Code	Hazard Statement
Eye irritation Cat. 2	H319	Causes serious eye irritation
Reproductive toxicity Cat. 2	H361	Suspected of damaging fertility or the unborn child
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure
Aquatic chronic toxicity Cat. 4	H413	May cause long lasting harmful effects to aquatic life
Hazardous to soil organisms	H423	Hazardous to soil organisms

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions
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 or spray
P264	Wash hands thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective clothing [as detailed in SDS Section 8]

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313	IF exposed or concerned: Get medical advice/ attention
P337 + P313	If eye irritation persists: Get medical advice/attention

Storage Code	Storage Statement
P405	Store locked up

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Toltrazuril	5%	69004-03-1
Sodium benzoate	<0.25%	532-32-1
Sodium propionate	<0.25%	137-40-6
Sodium lauryl sulphate	0.5%	151-21-3
Non-hazardous ingredients	~94%	-

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash skin with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. Call the National Poisons Centre 0800 764 766 or a doctor/physician if unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed symptoms:

Ingestion:	Not applicable
Inhalation:	Not applicable
Skin:	Causes mild skin irritation
Eye:	Causes serious eye irritation

Chronic: Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure

Notes to Doctor: Treat exposed patients symptomatically

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from products	This material is assumed to be combustible. When heated to decomposition carbon oxides (Cox), Nitrogen oxides (Nox), Sulphur oxides (Sox), hydrogen sulphide, hydrogen fluoride, or other toxic fumes may be emitted
Suitable Extinguishing media	Water spray, dry powder, carbon dioxide, or foam. Full water jet deemed unsuitable as it may spread the fire
Precautions for firefighters and special protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA)
HAZCHEM CODE	None allocated

Other information: Collect contaminated fire fighting media, not to be discharged to drain. Exposure to fire may cause container to rupture, or if heated under confinement. Cool containers exposed to flame with water.

Section 6. Accidental Release Measures

No action should be taken without appropriate training, PPE, or if danger of personal risk exists. Do not walk through, touch or attempt to contain spilled material without PPE. Refer to Section 8 for PPE requirements. Unnecessary personnel should be removed to safe area. Ensure proper containment for disposal as detailed in Section 13. Affected Area may then be cleaned with Water and Dilute Caustic (<2%) or Hypochlorite Solution.

Environmental Precautions:

Do NOT discharge spilled material to soil, sewers, waterways, surface or ground waters. Contact relevant authorities if contamination occurs. Refer to Section 12 for more information.

Materials/Methods (for containment and clean-up):

Approach release from up-wind. Contain spilled material by suitable physical means (Vermiculite/Spill-Kit). Label collected material appropriately and store for disposal. Refer to Section 13 for more information.

Section 7. Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Do not breathe mist, vapours or spray
- Wash hands thoroughly after handling
- Avoid release to the environment
- Wear protective clothing [as detailed in SDS Section 8]
- Prevent contact with skin and eyes
- Do not eat drink or smoke while using

Precautions for Storage:

- Store away from incompatible materials listed in Section 10
- Store at below 25°C
- Store in the original container away from direct heat or direct sunlight
- Keep out of reach of children
- Store away from foodstuffs

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APR 2022 13TH EDITION.

Engineering Controls

Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent contact with skin and eyes.

Personal Protection Equipment



Eyes	Wear protective goggles when handling in bulk
Hands	Wear protective gloves
Skin	Wear protective clothing
Respiratory	Not required. Ensure good ventilation and/or exhaust measures within the workplace.
General	Do not eat, drink or smoke when using this product. Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	White to yellowish suspension
Odour	Not available
Odour Threshold	Not available
pH	9.0 – 12.00
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Approx 1800°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Density	1.1 – 1.2 g/cm ³ @20°C
Solubility	Water: Miscible
Partition Coefficient	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Solidifying range	-10 to -50°C
Oxidising properties	Not oxidising

Product Name: Toltrox
Date of SDS: 23 October 2025

SDS Prepared by: AgriHealth NZ Ltd
Tel: 64 9 215 1199 www.agrihealth.co.nz

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions and storage
Possibility of hazardous reactions	None listed or known
Conditions to Avoid	Product is sensitive to iron. Avoid extremes of light and heat
Incompatible Materials	Oxidising agents
Hazardous Decomposition Products	When heated to decomposition hydrogen cyanide, carbon monoxide and nitrogen may be emitted

Section 11 Toxicological Information**Acute Effects:**

Acute toxicity estimate for finished product >5,000mg/kg. Not considered acutely toxic.

Ingredient	LD50	Species	Result
Toltrazuril	Oral	Rat (female)	1740 – 3375 mg/kg
		Rat (male)	2200 mg/kg
	Inhalation	Rat	>158 mg/m ³ (4hr)
	Dermal	Rat	>5000 mg/kg
	Oral	Chicken	700 mg/kg
Sodium propionate	Oral	Mouse	6332 mg/kg
	Dermal	Rabbit	1640 mg/kg

Skin irritation/corrosion: May cause skin irritation

Eye irritation/damage: May cause eye irritation

Respiratory &/or skin sensitization: No available data

Chronic Effects:

Carcinogenicity	Finished Product Not Classified. Contains No Ingredient Classified as Carcinogenic. Classification deemed not to be met.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child
Germ Cell Mutagenicity	Finished Product Not Classified. Contains No Ingredient Classified as Mutagenic. Classification deemed not to be met.
Aspiration	No Available Data for Finished Product: NOT CLASSIFIED
STOT/SE	No Available Data for Finished Product: NOT CLASSIFIED
STOT/RE	May cause damage to organs through prolonged or repeated exposure
Chronic toxicity (toltrazuril):	Target organ effects: Rat 3 month oral toxicity study: At highest dose (16.6mg/kg/day) weight gain and food intake were decreased. Slight effects were seen in haematological parameters and disturbances in liver function. Dog 3 month oral toxicity study: At highest dose (12.5 mg/kg/day) showed increased heart weight but no histological changes or circulatory disturbance. Mean weight of testes and prostate were decreased. Reproduction: Rat 2 generation study: increase in stillborn pups at highest dose (5mg/kg/day). Rat teratogenicity studies: Teratogenicity and embryotoxicity see at the highest dose (30mg/kg/day) such as dysplasia of long bones, hydrops, cleft palate, microphthalmia. Reduction in number of live fetuses.

Section 12. Ecotoxicological Information

Hazardous to soil organisms.
No data available for finished product.

Ingredient	LD50/LC50/EC50	Species		Result
Toltrazuril	Fish 96hr	Rainbow trout	Oncorhynchus mykiss	0.44 mg/L
	Algae 72hr	Green algae	Desmodesmus subcapitas	>0.39 mg/L
	Crustacea 48hr	Water flea	Daphnia magna	>2 mg/L
	Other	Earthworm	Annelid sp.	52 mg/L

Product:

Persistence and degradability	Metabolite of Active is persistent & mobile. T1/2: >1year Avoid run-off to soil.
Bioaccumulation potential	Toltrazuril API: Log POW 4.18 @ 23°C
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations**Disposal Method:**

Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility.

Precautions or methods to avoid: Avoid contamination of any water supply with product or empty container.

Section 14 Transport Information

This product is NOT classified as a Dangerous Goods for transport in NZ; NZS 5433:2020

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Veterinary medicines (Non-dispersive closed system application) Group Standard 2020; **HSR100758**

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10,000 L
Emergency Response Plan	10,000 L
Secondary Containment	10,000 L
Restriction of Use	Only use for the intended purpose

ACVM Act and Regulations

See www.foodsafety.govt.nz for registration Conditions	A11401
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Section 16 Other Information**Glossary**

Cat Category

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Date of SDS: 23 October 2025

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EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by AgriHealth NZ Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to AgriHealth NZ Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While AgriHealth NZ Ltd have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, AgriHealth NZ Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

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