



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	CATOLYST® ORAL (50 gram/litre Toltrazuril)
Recommended use:	For the treatment and prevention of coccidiosis in cattle up to 9 months caused by Eimeria bovis or Eimeria zuernii.
Company name:	Alleva Animal Health Limited
Address:	15 Calman Place, Birkenhead, Auckland
Telephone:	0064-9-4181405
Emergency telephone number:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Date of Preparation	7 August 2017
Restrictions of Use	Refer to Section 15

SECTION 2: HAZARDS IDENTIFICATION

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

EPA Approval No: HSR002038

Pictograms



Chronic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.8B	H361	Suspected of damaging fertility or the unborn child.	Category 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	Category 2



Prevention Code	Prevention Statement
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 fumes or vapours.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.
P308 + P313	IF exposed or concerned: 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

Product Components:		
Name	CAS #	Proportion
Toltazuril	69004-03-1	5%
Water and non-hazardous components	-	To bal

SECTION 4: FIRST AID MEASURES

First Aid	First Aid Statement
	<p>Skin Contact: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.</p> <p>Eye Contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.</p> <p>Ingestion: Rinse mouth. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything to the mouth of an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>Inhaled: Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.</p>



SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Material is non-combustible though outer packaging may burn.
Fire hazard properties:	Thermal decomposition products include hydrogen cyanide, carbon monoxide and nitrogen oxides.
Extinguishing media and methods:	Sprayed water jet, foam, dry powder, CO ₂ or sand.
Hazchem code:	None allocated
Recommended protective clothing:	Wear respiratory protection. Fight fire in early stages if it is safe to do so. Contain fire-fighting waters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Personnel involved in clean-up should wear appropriate personal protective equipment as detailed in Section 8 to minimise exposure. Restrict access to contaminated area.
Environmental Precautions:	Prevent spillage from spreading or entering soil, waterways or drains.
Procedure for Spills:	Take up with absorbent material such as sawdust, peat or chemical binder. In well ventilated area use full face mask with combination filter, In enclosed areas use respirator with independent air supply. Fill material, along with any contaminated soil etc., into sealable containers. Clean affected area with aqueous detergent and a small amount of water. Absorb this detergent/water with absorbent material. Place cleaning materials into same container.
Procedure for Disposal:	Dispose as per Local Regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	<ul style="list-style-type: none"> • Read label before use. • Obtain special instructions before use.
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	<ul style="list-style-type: none"> Do not handle until all safety precautions have been read and understood. Do not breathe fumes or vapours. Use personal protective equipment as required. The product is administered directly to piglets using the applicator supplied. Suitable container materials include HDPE, LDPE or stainless steel.
Approved handlers:	Not required
Conditions for safe storage:	<ul style="list-style-type: none"> Store away from incompatible materials listed in Section 10. Keep out of reach of children. Store away from food, drink or animal feeding stuffs. To maintain quality, store below 30°C. Protect from temperatures below 0°C and above 50°C. Keep away from heat and moisture.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

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

No substance has 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.

Engineering controls:	No ventilation is required under normal conditions of use.
Personal protection:	<p>Respiratory protection: No respiratory protection is required under normal conditions of use.</p> <p>Hand protection: Not required. Wash hands after use.</p> <p>Eye protection: No eye protection is</p>



	required under normal conditions of use. Under other conditions chemical safety goggles should be worn.
Hygiene Measures	Avoid contact with eyes or skin. Clean working clothes and protective equipment with soap and water. Change badly soiled or soaked clothing. Wash hands before breaks and at the end of work. If product is splashed on skin, immediately wash area with soap and water. When using this product do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque, white or slightly yellowish liquid
Odour	Weak
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Approx. 100°C
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not below 100°C
Flammability	Not applicable
Upper and Lower Explosive Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Density	1.020-1.040 kg/L at 20°C
Solubilities	Miscible
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	This product is stable under normal conditions.
Conditions to avoid:	None known.
Material to avoid:	Avoid strong oxidising agents.



Hazardous decomposition products:	Thermal decomposition products include hydrogen cyanide, carbon monoxide and nitrogen oxides.
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SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects:	
Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.
Chronic and long-term effects:	
Reproductive	Suspected of damaging fertility or the unborn child.
Systemic	
Carcinogenicity	Not applicable.
Aspiration	Not applicable.
Germ Cell Mutagenicity	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

SECTION 12: ENVIRONMENTAL INFORMATION

This product is not hazardous to the environment.

Acute toxicity for daphnia: LC50 >2 mg/L (48hr, toltrazuril)

Acute toxicity for earthworms: LC50 52 mg/L (toltrazuril)

Persistence and degradability	No data available
Bioaccumulation	Log POW = 4.18 (toltrazuril) at 23°C - Bioaccumulative
Mobility in Soil	No data available
Other adverse effects	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal:	Before disposal thoroughly empty the container by using the product for treatment. Triple rinse the container and pump. Dispose of rinsate and bury containers below 500mm, in a disposal pit specifically marked and set up for this purpose. Pit should be clear of waterways, vegetation and roots.
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	Dispose of sealed containers at an approved local waste disposal site.
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SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2012

SECTION 15: REGULATORY INFORMATION

Regulatory status:	Approved pursuant to the HSNO Act, EPA Approval Code HSR002038 See www.epa.govt.nz for approval conditions. ACVM Registration No.A11439
HSNO controls:	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Restriction of Use	None

SECTION 16: OTHER INFORMATION

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. ALLEVA Animal Health Limited makes no warranty with respect hereto and disclaims all liability from reliance thereon.

Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.

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