



## SAFETY DATA SHEET

A18232/02/AUS

## BAYCOX COCCIDIOCIDICIDE FOR PIGLETS AND CATTLE

## SECTION 1 – IDENTIFICATION, CONTACTS

Bayer Australia Ltd  
875 Pacific Highway  
Pymble NSW 2073

**In case of emergency: 1800 033 111**  
24 hour Emergency Service Australia Wide, Toll Free

**Contact Point (for non-emergency calls)**  
Animal Health Division ph: (02) 9391-6000

Product Name	<b>Baycox Coccidiocide for Piglets and Cattle</b>
Product Use	For the control of coccidiosis in neonatal piglets caused by <i>Isospora suis</i> , and in cattle up to 9 months of age caused by <i>Eimeria bovis</i> or <i>Eimeria zuernii</i> .
Other Names	Toltrazuril
Creation Date	24 <sup>th</sup> November 2005
Revision Date	7 March 2015

## SECTION 2 – HAZARDS IDENTIFICATION

GHS-Classification	Hazardous to the aquatic environment, Category 2
Signal Word	Not applicable
Hazard statement	H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	<b>Prevention:</b> P273 Avoid release to the environment. <b>Response:</b> P391 Collect spillage. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.
Dangerous Goods Classification	NOT CLASSIFIED AS DANGEROUS GOODS when transported by road or rail within Australia under Special Provision AU01 of the Australian Dangerous Goods Code, 7th Edition.  CLASSIFIED AS DANGEROUS GOODS when transported by sea or air.

**SECTION 3 - COMPOSITION**

Hazardous Components	<p><b>Toltrazuril</b>  Concentration [Weight percent] 1 - &lt;10  CAS-No.: 69004-03-1  CAS name: 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1-methyl-3-(3-methyl-4-(4-((trifluoromethyl)thio)phenoxy)phenyl)-  GHS Classification:  Acute Tox. 4 H302  Aquatic Chronic 1 H400  Aquatic Acute 1 H410</p> <p><b>Also contains</b>  <b>Docosate sodium</b>  Concentration [Weight percent] 0.1 - 1  CAS-No.: 577-11-7  CAS name: Butanedioic acid, Sulfo-, 1,4-Bis(2-ethylhexyl) Ester, Sodium Salt  GHS Classification:  Skin Irrit. 2 H315  Eye Irrit. 1 H318</p>
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**SECTION 4 – FIRST AID MEASURES**

General	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately.
Inhalation	Remove to fresh air. Call a physician immediately.
Skin contact	Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.
Eye contact	Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists.
Ingestion	If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.
Advice to doctor	There is no specific antidote. Apply basic aid and decontamination procedures.

**SECTION 5 – FIRE FIGHTING MEASURES**

Extinguishing Media	Sprayed water jet, foam, dry powder, CO <sub>2</sub> , sand.
Specific hazards during firefighting	Thermal decomposition products include hydrogen cyanide, carbon monoxide, and nitrogen oxides.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.
Advice for firefighters	Wear respiratory protection. In well ventilated areas wear full face mask with a combination filter. (Offers no protection from carbon monoxide). In enclosed premises: respirator with independent air supply.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Accidental Release	<p>Use any personal protective equipment.</p> <p>Prevent spillage from spreading or entering soil, waterways and drains.</p> <p>Take up with absorbent material such as sawdust, peat or chemical binder. 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 the same container.</p> <p>Do not eat, drink or smoke during clean-up operation.</p>
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**SECTION 7 – HANDLING AND STORAGE**

Precautions for safe handling	Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.
Storage	<p>For storage: suitable stores with adequate product-reception volume must be used. During handling local official regulations must be observed in order to avert impairment of water by the product.</p> <p>This material is a Schedule 5 drug and must be stored, handled and used in accordance with the relevant regulations.</p>

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Exposure Limits	No exposure allocated for toltrazuril.
Ventilation	No ventilation is required under normal conditions of use.
Eye Protection	No eye protection is required under normal conditions of use. Under other conditions of use wear safety goggles
Skin Protection	No skin protection is required under normal conditions of use. Under other conditions of use wear rubber gloves. Wash hands before breaks and at end of work.
Respirator	No respirator is required under normal conditions of use.
Protective Material Types	Rubber, latex.
General Advice	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, do not eat, drink, or smoke.

**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

Physical State	Liquid
Colour	Opaque, white or slightly yellowish
Odour	Weak odour
Boiling Point	Approx 100°C
Solidifying Point	Approx -10°C
Density	1.020-1.040 kg/L at 20°C
Vapour Pressure	Not relevant
Viscosity	Not available
Solubility in Water	Miscible
pH	4.7-5.3 (undiluted)
Flash Point	No flash point up to 100°C (boils at higher temperatures)
Ignition Temperature	Not available
Explosive Limits	Not available
Other Information	None.

**SECTION 10 – STABILITY & REACTIVITY**

Chemical Stability	Product is stable. No hazardous reactions.
Conditions to Avoid	Avoid strong oxidising agents.
Incompatible Materials	None known
Hazardous Decomposition	Thermal decomposition products include hydrogen cyanide, carbon monoxide, and nitrogen oxides.
Hazardous Reactions	Will not polymerise.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Acute Toxicity	Oral LD <sub>50</sub> (rat) >2000 mg/kg (of formulation) Oral LD <sub>50</sub> (chicken) 700 mg/kg (of toltrazuril) Dermal LD <sub>50</sub> (rat) >2000 mg/kg (of formulation) Inhalation LC <sub>50</sub> (rat) >158 mg/m <sup>3</sup> (4 hours) (of toltrazuril)
Local Effects	Eye: Non-irritant. Skin: Non-irritant
Reproductive Effects	None of the ingredients of the formulation have been shown to produce reproductive or teratogenic effects.
Mutagenicity	None of the ingredients of the formulation have been shown to produce mutagenic effects.
Carcinogenic Effects	Toltrazuril has been shown in animal tests to have no carcinogenic potential. Other ingredients are not classified as carcinogens

**SECTION 12 – ECOLOGICAL INFORMATION**

Octanol/Water Partition Co-efficient	Log Pow = 4.18 (toltrazuril) at 23°C
Ecotoxicity	<p><b>Toxicity to fish:</b> Toltrazuril - Acute Fish toxicity: LC<sub>50</sub> 0.44 mg/l Test species: <i>Oncorhynchus mykiss</i> (rainbow trout) Duration of test: 96 h</p> <p><b>Toxicity to daphnia and other aquatic invertebrates:</b> Toltrazuril - <i>Daphnia magna</i>: LC<sub>50</sub> (48 hours) - greater than 2 mg/L</p> <p><b>Toxicity to algae:</b> Toltrazuril - EC<sub>50</sub> &gt; 0.39 mg/l Test species: <i>Desmodesmus subspicatus</i> (green algae) Duration of test: 72 h</p> <p><b>Toxicity on soil-dwelling organisms:</b> Toltrazuril - Earthworms: LC<sub>50</sub> 52 mg/L</p> <p><b>Persistence and degradability:</b> Biodegradability: Toltrazuril 0.3 %, 28 d Not readily biodegradable. Method: OECD TG 301 F</p>

**SECTION 13 – DISPOSAL INFORMATION**

After Intended Use	Before disposal thoroughly empty the container by using the product for treatment. Triple rinse container and pump. Dispose of rinsate, and bury containers below 500 mm, in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.
After spill or accident	Dispose of sealed containers at an approved local waste disposal site.

**SECTION 14 – TRANSPORT INFORMATION**

UN No	3082
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Toltrazuril)
Class & Subsidiary Risk	Class 9
Packaging Group	III
Hazchem Code	3Z
Special Note	<p>NOT CLASSIFIED AS DANGEROUS GOODS when transported by road or rail within Australia under Special Provision AU01 of the Australian Dangerous Goods Code, 7th Edition.</p> <p>CLASSIFIED AS DANGEROUS GOODS when transported by sea or air.</p>

**SECTION 15 – REGULATORY INFORMATION**

Poisons Schedule	Schedule 5
APVMA Registration	This product is registered by the APVMA.
Registration Number	68946
Labelling	All necessary directions, precautions and warnings for normal use of the product are included on the product label.

**SECTION 16 – OTHER INFORMATION**

Summary of Changes	GHS update
Acronyms	<p><b>ADG</b> Code Australian Code for the Transport of Dangerous Goods by Road and Rail</p> <p><b>APVMA</b> Australian Pesticides and Veterinary Medicines Authority</p> <p><b>CAS</b> Chemical Abstracts Service Registry Number</p> <p><b>GHS</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HDPE</b> High density polyethylene</p> <p><b>LDPE</b> Low density polyethylene</p> <p><b>OECD</b> Organisation for Economic Co-operation and Development</p> <p><b>STOT</b> Specific Target Organ Toxicity</p> <p><b>SUSDP</b> Standard for the Uniform Scheduling of Drugs and Poisons</p> <p><b>TWA</b> Time Weighted Average – average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.</p> <p><b>UN Number</b> United Nations number</p>
Disclaimer	<p>This Safety Data Sheet has been developed according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Third revised edition. United Nations, 2009. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this Safety Data Sheet is to describe product in terms of their safety requirements. Bayer Australia Limited makes no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product"). The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use of the product. The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof. Due care should be taken to make sure that the use or disposal of this product and / or its packaging is in compliance with relevant Federal, State and Local Government regulations.</p>

**END OF SDS**