

# SAFETY DATA SHEET

Zoetis New Zealand Limited



## Section 1: Identification of the Substance and Supplier

<b>Trade Name:</b>	<b>CYCOSTAT® 66 Coccidiostat</b>
<b>ACVM Registration No.:</b>	A001557
<b>Classification:</b>	Unrestricted
<b>Recommended Use:</b>	Feed additive for use in feeds of broiler chickens, turkeys and rabbits for prevention and control of intestinal coccidiosis caused by <i>Eimeria</i> spp.
<b>Company Details:</b>	Zoetis New Zealand Limited
<b>Address:</b>	Level 4, 8 Mahuhu Crescent Auckland Central Auckland 1010 New Zealand
<b>Telephone No.:</b>	0800 963 847 (Business Hours)
<b>Emergency Telephone No.:</b>	National Poisons Centre: 0800 POISON (0800 764 766) Emergency Services: In an emergency dial 111
<b>Date of Preparation:</b>	01 July 2019

## Section 2: Hazards Identification

<b>Hazard Classification:</b>	9.1A
<b>Priority Identifier(s):</b>	WARNING – KEEP OUT OF REACH OF CHILDREN ECOTOXIC
<b>Secondary Identifier(s):</b>	9.1A Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

## Section 3: Composition / Information on Ingredients

### Chemical Identity of Ingredients

Ingredient	CAS No.	Concentration
Robenidine hydrochloride	25875-50-7	66.0 g/kg
Carrier	Not applicable	Proprietary
Other ingredients determined not to be hazardous.	-	-

This is a commercial product whose exact ratio of components may vary.  
Trace quantities of impurities are also likely.

## Section 4: First Aid Measures

<b>Necessary First Aid Measures:</b>	<p><b>For advice contact the National Poisons Centre at 0800 POISON (0800 764 766) or a doctor immediately.</b> If the patient is not breathing begin artificial respiration and seek medical advice immediately. Never give fluids or induce vomiting if a patient is unconscious or convulsing, regardless of injury.</p>
<b>Ingestion:</b>	DO NOT induce vomiting. If the patient is conscious wash mouth out with water. Do not give anything by mouth to an unconscious person. Seek medical advice immediately.
<b>Eye Contact:</b>	Flush the eye(s) out with running water for at least 15 minutes. Removal of contact lenses should be done with caution within 5 minutes of exposure. If symptoms develop seek medical advice immediately.
<b>Skin Contact:</b>	Remove any contaminated clothing and wash the affected area immediately with soap and water. If symptoms develop seek medical advice immediately.
<b>Inhalation:</b>	Move the patient to fresh air. If symptoms develop seek medical advice immediately.
<b>Poisoning Symptoms:</b>	Ingestion may cause gastric upset, nausea, vomiting and diarrhoea. Ingestion may lead to electrolyte disturbances and calcium imbalance. Other symptoms may include headache, dizziness, drowsiness, fatigue. Very large doses may cause blockage of the digestive system.
<b>Workplace Facilities:</b>	No specific facilities required. Standard emergency equipment must be available.
<b>Hygiene Practices:</b>	Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while using this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.
<b>Notes for Medical Personnel:</b>	Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Note the nature of this product.

## Section 5: Fire-Fighting Measures

<b>Type of hazard:</b>	This product is non-flammable, non-combustible and non-explosive.
<b>Fire Hazard Properties:</b>	Oxides of carbon, oxides of sulphur.
<b>Regulatory Requirements:</b>	Not applicable.
<b>Extinguishing Media &amp; Methods:</b>	Use water to extinguish fires involving this product.
<b>Hazchem Code:</b>	2Z
<b>Recommended Protective Clothing:</b>	During large-scale fire fighting operations wear approved positive pressure, self-contained breathing apparatus and full protective turn-out gear.

## Section 6: Accidental Release Measures

<b>Personal Precautions:</b>	Personnel involved in clean-up should wear appropriate personal protective equipment to minimise exposure. This may include eye protection, chemically resistant gloves, boots and overalls.
<b>Environmental Precautions:</b>	Prevent material from entering surface water drains or waterways. If a significant quantity of material enters drains, advise emergency services.
<b>Procedure for Spills:</b>	<ol style="list-style-type: none"><li>1. Non-essential personnel should be evacuated from the affected area.</li><li>2. Shut off all sources of ignition.</li><li>3. Stop leak and contain the source of spill if it is safe to do so. Reposition any leaking containers to minimise further leakage.</li><li>4. Absorb the spill with an absorbent material (e.g. sand).</li><li>5. Collect the spilled material into labelled containers for disposal, minimising dust generation.</li><li>6. Decontaminate the spill area thoroughly with detergent and water, preventing runoff from entering drains.</li><li>7. Ventilate area to dispel any residual dusts.</li></ol>
<b>Procedure for Disposal:</b>	Contaminated material must be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or empty container.

## Section 7: Handling and Storage

### Handling

<b>Precautions for Safe Handling:</b>	No special technical protective measures required. No special handling advice required.
<b>Regulatory Requirements:</b>	Not required.
<b>Handling Practices:</b>	Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.
<b>Approved Handlers:</b>	Approved handlers are not required for this product.

### Storage

<b>Conditions for Safe Storage:</b>	Store below 25°C (Air Conditioning) in a dry place and protect from direct sunlight. Keep out of reach of children. Store in a well ventilated area in the original container, tightly closed, away from foodstuffs, oxidising agents, naked flames and other sources of ignition.
<b>Store Site Requirements:</b>	Records of use as described in the current version NZS 8409 Management of Agrichemicals must be kept if 3 kg or more of the substance is applied in a place where the substance is likely to enter the air or water and leave the place.
<b>Packaging:</b>	Store in the original container, away from foodstuffs.

## Section 8: Exposure Control / Personal Protection

Always Read and Follow the Label Instructions and Warnings

Workplace Exposure Guidelines	
<b>Workplace Exposure Standards:</b>	A time weighted average (TWA) concentration for an 8-hour day and a 5-day week has not been established by NOHSC Australia for any of the major ingredients in this product. A TWA exposure limit of 0.5 mg/m <sup>3</sup> has been established for robenidine hydrochloride by the manufacturer. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts or mists when limits have not otherwise been established.
<b>Application in the Workplace:</b>	The nature of this product makes it unlikely that this level will be approached during normal handling.
<b>Exposure Standards Outside the Workplace:</b>	None set.
<b>Engineering Controls:</b>	Engineering controls should be used as the primary means to control exposures. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
<b>Personal Protection:</b>	The following instructions are for those coming into frequent and / or lengthy contact with this product. For occasional handling employ precautions suitable for the conditions under which the product is being handled.  <b>Hands:</b> Impervious gloves are recommended if skin contact is possible and for bulk processing operations. <b>Eyes:</b> It is always prudent to utilise protective eyewear. <b>Skin:</b> When prolonged or frequently repeated contact could occur, utilise chemically protective clothing. Selection of specific items such as a face shield, gloves, boots, or overalls will depend on the situation. <b>Respiratory:</b> Respiratory protection is not normally required; however, if necessary utilise an air-purifying respirator that complies with NZ standards.
<b>General Hygiene:</b>	Change work clothes regularly. Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.

## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Greyish, fine or granular, free-flowing powder
<b>Odour:</b>	Almost odourless
<b>Specific Gravity / Density:</b>	No data available
<b>Melting Point:</b>	No data available
<b>Boiling Point:</b>	No data available
<b>pH:</b>	5.0 – 7.5
<b>Solubility in Water:</b>	Very slightly soluble in water
<b>Flashpoint:</b>	Not applicable. This product is not flammable.
<b>Oxidising Properties:</b>	Not applicable. This product is not an oxidiser.
<b>Corrosive Properties:</b>	Not applicable. This product is not corrosive.
<b>Vapour Pressure:</b>	No data available

Slightly hygroscopic, may absorb moisture from the air. May be sensitive to heat, light and moisture.  
Incompatible with strong oxidising agents, mineral acids, caustic alkalis.

## Section 10: Stability and Reactivity

**Stability of the Substance:** This product is stable under normal conditions of use.

**Conditions to Avoid:** Incompatible materials, heat, moisture.

**Material to Avoid:** Oxidising agents, acids, alkalis.

**Hazardous Decomposition Products:** Oxides of sulphur.

**Hazardous Polymerisation:** This product is unlikely to spontaneously polymerise.

**Specific Data:** No specific data available.

## Section 11: Toxicological Information

### HSNO Classifications

Not applicable. This product is not classified as toxic.

### Acute Effects

No data available is for the mixture. Information presented relates to the individual ingredients.

**Ingestion:** Likely to cause gastric upset, nausea, vomiting and diarrhoea. Ingestion may lead to electrolyte disturbances and calcium imbalance. Other symptoms may include headache, dizziness, drowsiness, fatigue. Very large doses may cause blockage of the digestive system.

Robenidine hydrochloride:

- Rat Oral LD50 390 mg/kg
- Mouse Oral LD50 390 mg/kg

**Skin Contact:** May have a degreasing effect on the skin. May cause irritation.

**Eye Contact:** May be irritating to eyes. Risk of mechanical scratching.

**Inhalation:** Dusts may be irritating to the upper respiratory system with wheezing, coughing and difficulty breathing.

### Chronic / Long Term Effects

Repeated exposure may lead to irritation of the nose, sneezing, tear formation, excessive fluid secretion and possible risk of pneumonia. May affect the liver and blood.

## Section 12: Ecotoxicity Information

### HSNO Classifications

**9.1A** Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

The environmental characteristics of this material have not been fully evaluated.  
Avoid contamination of any water supply with product or empty container.

Ecotoxicity Effects	
<b>Ecotoxicity:</b>	Very toxic to aquatic organisms.  Robenidine hydrochloride: <ul style="list-style-type: none"> <li>• Fish (Guppy) LC50 0.2 mg/L</li> <li>• Fish (Rainbow trout) LC50 0.075 mg/L</li> <li>• Daphnia magna EC50 0.056 mg/L</li> <li>• Green alga EC50 0.56 mg/L</li> </ul>
<b>Persistence &amp; Degradability:</b>	Not readily biodegradable.
<b>Mobility:</b>	Readily transported by running water.
<b>Bioaccumulative Potential:</b>	No data available.

Environmental Fate	
No information available.	

Section 13: Disposal Considerations	
<b>Product Disposal:</b>	Preferably dispose of product by use in accordance with label directions. Otherwise dispose of product at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with product.
<b>Container Disposal:</b>	Dispose of empty containers by wrapping in paper and putting in garbage for disposal at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with empty container.

Section 14: Transport Information	
Dangerous Goods Classification	
<b>UN No.:</b>	3077
<b>Class:</b>	9
<b>Packing Group:</b>	III
<b>Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Robenidine 6.6%)

Section 15: Regulatory Information	
<b>HSNO Approval No.:</b>	HSR002009
<b>HSNO Controls:</b>	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls
<b>ACVM Registration No.:</b>	A001557
<b>ACVM Controls:</b>	See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions

## Section 16: Other Information

**Note:** This product is a veterinary medicine and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

**CONTACT POINT:** **Zoetis New Zealand Limited:** 0800 963 847 (Business Hours)  
**National Poisons Centre:** 0800 POISON (0800 764 766)  
**Emergency Services:** Dial 111

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. 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.**

If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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