

SAFETY DATA SHEET

Zoetis New Zealand Limited



Section 1: Identification of the Substance and Supplier

Trade Name:	BOVATEC® 20 Liquid
ACVM Registration No.:	A006956
Classification:	Unrestricted
Recommended Use:	In-feed additive as an aid in the control of coccidiosis caused by <i>Eimeria</i> species; increased production of milk solids in dairy cows; control of ketosis in dairy cattle; and reduction in bloat score in cattle on pasture.
Company Details:	Zoetis New Zealand Limited
Address:	Level 4, 8 Mahuhu Crescent Auckland Central Auckland 1010 New Zealand
Telephone No.:	0800 963 847 (Business Hours)
Emergency Telephone No.:	National Poisons Centre: 0800 POISON (0800 764 766) Emergency Services: In an emergency dial 111
Date of Preparation:	01 July 2019

Section 2: Hazards Identification

Hazard Classification:	6.1D, 9.1D, 9.3C
Priority Identifier(s):	WARNING – KEEP OUT OF REACH OF CHILDREN ECOTOXIC
Secondary Identifier(s):	6.1D May be harmful if swallowed, inhaled or absorbed through the skin. 9.1D Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container. 9.3C Harmful to terrestrial vertebrates.

Section 3: Composition / Information on Ingredients

Chemical Identity of Ingredients

Ingredient	CAS No.	Concentration
Lasalocid sodium	25999-20-6	208.0 g/L
Propylene glycol	57-55-6	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

Necessary First Aid Measures:	<p>For advice contact the National Poisons Centre at 0800 POISON (0800 764 766) or a doctor immediately. 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> <p>Ingestion: 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.</p> <p>Eye Contact: 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.</p> <p>Skin Contact: Remove any contaminated clothing and wash the affected area immediately with soap and water. If symptoms develop seek medical advice immediately.</p> <p>Inhalation: Move the patient to fresh air. If symptoms develop seek medical advice immediately.</p>
Poisoning Symptoms:	No additional information.
Workplace Facilities:	No specific facilities required. Standard emergency equipment must be available.
Hygiene Practices:	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.
Notes for Medical Personnel:	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

Type of hazard:	This product is non-flammable, non-combustible and non-explosive.
Fire Hazard Properties:	Water vapour, oxides of carbon.
Regulatory Requirements:	Not applicable.
Extinguishing Media & Methods:	Use water to extinguish fires involving this product.
Hazchem Code:	Not assigned.
Recommended Protective Clothing:	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

Personal Precautions:	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.
Environmental Precautions:	Prevent material from entering surface water drains or waterways. If a significant quantity of material enters drains, advise emergency services.
Procedure for Spills:	<ol style="list-style-type: none">1. Non-essential personnel should be evacuated from the affected area.2. Shut off all sources of ignition.3. Stop leak and contain the source of spill if it is safe to do so. Reposition any leaking containers to minimise further leakage.4. Absorb the spill with an absorbent material (e.g. sand).5. Collect the spilled material into labelled containers for disposal, minimising dust generation.6. Decontaminate the spill area thoroughly with detergent and water, preventing runoff from entering drains.7. Ventilate area to dispel any residual dusts.
Procedure for Disposal:	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

Precautions for Safe Handling:	No special technical protective measures required. No special handling advice required.
Regulatory Requirements:	Not required.
Handling Practices:	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.
Approved Handlers:	Approved handlers are not required for this product.

Storage

Conditions for Safe Storage:	Store under lock and key below 30°C (Room Temperature) 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.
Store Site Requirements:	No additional requirements.
Packaging:	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

Workplace Exposure Standards:	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. There is a blanket limit of 10 mg/m ³ for dusts or mists when limits have not otherwise been established.
Application in the Workplace:	The nature of this product makes it unlikely that this level will be approached during normal handling.
Exposure Standards Outside the Workplace:	None set.
Engineering Controls:	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.
Personal Protection:	<p>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.</p> <p>Hands: Impervious gloves are recommended if skin contact is possible and for bulk processing operations.</p> <p>Eyes: It is always prudent to utilise protective eyewear.</p> <p>Skin: 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.</p> <p>Respiratory: Respiratory protection is not normally required; however, if necessary utilise an air-purifying respirator that complies with NZ standards.</p>
General Hygiene:	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

Appearance:	Off-white to yellow liquid
Odour:	Almost odourless
Specific Gravity / Density:	1.04 g/mL @ 20°C
Melting Point:	No data available
Boiling Point:	From 100°C
pH:	May be slightly alkaline
Solubility in Water:	Soluble
Flashpoint:	Not applicable. This product is not flammable.
Oxidising Properties:	Not applicable. This product is not an oxidiser.
Corrosive Properties:	Not applicable. This product is not corrosive.
Volatile Organic Compounds:	< 1%
Vapour Pressure:	No data available

Section 10: Stability and Reactivity

Stability of the Substance:	This product is stable under normal conditions of use.
Conditions to Avoid:	Incompatible materials, direct sunlight, heat.
Material to Avoid:	Oxidising agents, mineral acids.
Hazardous Decomposition Products:	Oxides of carbon.
Hazardous Polymerisation:	This product is unlikely to spontaneously polymerise.
Specific Data:	No specific data available.

Section 11: Toxicological Information

HSNO Classifications

6.1D May be harmful if swallowed, inhaled or absorbed through the skin.

Acute Effects

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

Ingestion: Harmful if swallowed. Likely to cause gastric upset, nausea, vomiting and diarrhoea. The effects of propylene glycol are similar to those of ethanol, but it is only about one third as toxic. Very large doses may be fatal. Other symptoms may include central nervous system depression, general anaesthesia, convulsions, stupor, visual impairment, hypotension, muscle tenderness, intravascular haemolysis, hypoglycaemia, pulmonary oedema (fluid in the lungs), kidney damage and possible brain damage. May cause changes in surface EEG.

Lasalocid sodium:

- Rat Oral LD50 122 mg/kg
- Mouse Oral LD50 146 mg/kg
- Rat LC50 4 hours 2.65 mg/m³

Propylene glycol:

- Rat Oral LD50 20,000 mg/kg
- Mouse Oral LD50 22,000 mg/kg

Skin Contact: May be irritating to the skin. May be absorbed through damaged skin.

Eye Contact: Irritating to eyes.

Inhalation: Harmful if inhaled. Inhalation of aerosols may cause central nervous system depression, headache, nausea and vomiting, irritation, dizziness and lowering of consciousness.

Chronic / Long Term Effects

Repeated skin contact may lead to flaking, a slight tenderness and softening of the skin, possible sensitisation and dermatitis. Over-exposure may cause damage to the liver, kidneys and spleen.

Section 12: Ecotoxicity Information

HSNO Classifications

- 9.1D** Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container.
- 9.3C** Harmful to terrestrial vertebrates.

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

Ecotoxicity Effects

Toxicity to Birds:	Not applicable
Acute Toxicity to Fish:	Lasalocid sodium: <ul style="list-style-type: none">• Sunfish LC50 96 hours 3.6 mg/L• Zebra fish LC50 96 hours 2.5 mg/L• Goldfish LC50 72 hours 6 mg/L• Daphnia magna LC50 48 hours 2.4 mg/L• Daphnia magna EC50 48 hours 5.4 mg/L• Daphnia magna EC100 48 hours 13 mg/L
Toxicity to Algae:	Lasalocid sodium: <ul style="list-style-type: none">• Algae EC50 96 hours 8 mg/L
Persistence & Degradability:	Not readily biodegraded.
Mobility:	Readily transported by water.
Bioaccumulative Potential:	No data available.

Environmental Fate

No information available.

Section 13: Disposal Considerations

Product Disposal:	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.
Container Disposal:	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

UN No.:	Not applicable. This product is not a dangerous good.
Class:	Not applicable. This product is not a dangerous good.
Packing Group:	Not applicable. This product is not a dangerous good.
Proper Shipping Name:	Not applicable. This product is not a dangerous good.

Section 15: Regulatory Information

HSNO Approval No.:	HSR002037
HSNO Controls:	See www.epa.govt.nz for controls
ACVM Registration No.:	A006956
ACVM Controls:	See www.foodsafety.govt.nz 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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