

# SAFETY DATA SHEET



## 1. Identification

**Product identifier** Bovatec Lasalocid Sodium Feed Additive Liquid 200g-L

**Other means of identification**

**Synonyms** BOVATEC \* TAUROTEC \* Bovatec 20% \* Taurotec 20% \* Taurotec Liquid Premix

**Recommended use** Veterinary product ( Feed additive )

**Recommended restrictions** Not for human use

### Manufacturer/Importer/Supplier/Distributor information

**Company Name (USA)** Zoetis Inc.  
10 Sylvan Way  
Parsippany, New Jersey 07054 (USA)

**Rocky Mountain Poison and Drug Center** 1-866-531-8896

**Product Support/Technical Services** 1-888-963-8471

**Emergency telephone numbers** CHEMTREC (24 hours): 1-800-424-9300  
International CHEMTREC (24 hours): +1-703-527-3887

**Company Name (CA)** Zoetis Canada Inc.  
16740 Trans-Canada Highway  
Kirkland, Quebec, H9H 4M7

**Emergency telephone number** International CHEMTREC (24 hours): +1-703-527-3887

**Contact E-Mail** productsupport@zoetis.com

**Product Support** 1-800-461-0917

All Safety Data Sheets are available via our Zoetis Canada website at <https://www.zoetis.ca/sds/sds.aspx>

**Supplier** Not available.

## 2. Hazard identification

**Physical hazards** Not classified.

**Health hazards** Acute toxicity, oral Category 4  
Serious eye damage/eye irritation Category 2A  
Reproductive toxicity Category 1B

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
Hazardous to the aquatic environment, long-term hazard Category 3

### Label elements



**Signal word** Danger

**Hazard statement** Harmful if swallowed. Causes serious eye irritation. May damage fertility or the unborn child.  
Harmful to aquatic life with long lasting effects.

## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

IF exposed or concerned: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Storage

Store locked up.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Supplemental information

None.

### Other hazards

None known.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Lasalocid sodium		25999-20-6	20
Propylene glycol		57-55-6	20 - 30*
Water		7732-18-5	

All concentrations are in percent by weight (kg) unless ingredient is a gas. Gas concentrations are in percent by volume (l).

### Composition comments

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

### Inhalation

Move to fresh air. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

### Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth.

### Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## 5. Fire-fighting measures

### Suitable extinguishing media

Alcohol resistant foam. Powder. Carbon dioxide (CO<sub>2</sub>).

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

### General fire hazards

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Ensure adequate ventilation. Ventilate the contaminated area. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.

### Methods and materials for containment and cleaning up

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation. Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Provide adequate ventilation. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe mist or vapour. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Keep containers tightly closed in a cool, well-ventilated place.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Propylene glycol (CAS 57-55-6)	TWA	155 mg/m <sup>3</sup>	Vapour and aerosol.
		10 mg/m <sup>3</sup>	Aerosol
		50 ppm	Vapour and aerosol.

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Control banding approach

Lasalocid sodium - Zoetis OEB 3 (control exposure to the range of 10ug/m<sup>3</sup> to < 100ug/m<sup>3</sup>)

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves. Impervious gloves. Suitable gloves can be recommended by the glove supplier.

##### Other

Wear appropriate chemical resistant clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range. Chemical respirator with organic vapour cartridge, full facepiece, dust and mist filter.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Off-white to yellow

**Odour** Slight Characteristic odor

**Odour threshold** Not available.

**pH** 5 - 8

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** Not available.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Explosive limit - lower (%)** Not available.

**Explosive limit – upper (%)** Not available.

**Vapour pressure** Not available.

**Vapour density** Not available.

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** emulsifiable

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Dissociation constant** 6 (lasalocid sodium)

**Explosive properties** Not explosive.

**Oxidising properties** Not oxidising.

**Specific gravity** 1.04

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials. Keep away from heat, spark, open flames and other sources of ignition.

**Incompatible materials** Strong oxidising agents. Strong acids. Bases.

**Hazardous decomposition products** Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon dioxide, carbon monoxide, and oxides of nitrogen.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Prolonged skin contact may cause temporary irritation.

Propylene glycol  
Species: Rabbit  
Severity: Mild

**Skin contact**

Lasalocid sodium

Species: Rabbit  
Severity: Non-irritating**Eye contact**

Lasalocid sodium

Causes serious eye irritation.

Species: Rabbit  
Severity: Irritant

Propylene glycol

Species: Rabbit  
Severity: Mild**Ingestion**

Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects****Acute toxicity**

Harmful if swallowed.

**Product****Species****Test Results**

Bovatec Lasalocid Sodium Feed Additive Liquid 200g-L

**Acute****Dermal**

LD50

&gt; 5000 mg/kg (Calculated ATE)

**Inhalation**

LC50

&gt; 10 mg/l (Calculated ATE)

**Oral**

LD50

610 mg/kg (Calculated ATE)

**Components****Species****Test Results**

Lasalocid sodium (CAS 25999-20-6)

**Acute****Dermal**

LD50

Rabbit

1400 mg/kg

**Inhalation**

LC50

Rat

2.65 mg/l, 4 hours

**Oral**

LD50

Mouse

146 mg/kg

Rat

122 mg/kg

**Chronic****Oral**

NOAEL

Mouse

120 mg/kg/day, 2 years (Not carcinogenic)

NOEL

Rat

10 mg/kg/day, 2 years (Not carcinogenic)

**Subchronic****Oral**

NOEL

Dog

2 mg/kg/day, 13 weeks (Liver)

Rat

1 mg/kg/day, 13 weeks (Blood forming organs)

Propylene glycol (CAS 57-55-6)

**Acute****Dermal**

LD50

Rabbit

20800 mg/kg

**Oral**

LD50

Mouse

24900 mg/kg

Rat

22000 mg/kg

**Skin corrosion/irritation**

Prolonged skin contact may cause temporary irritation.

**Corrosivity**

Lasalocid sodium

Result: Non-irritating  
Species: Rabbit**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Eye contact**

Lasalocid sodium

Species: Rabbit  
Severity: Irritant

Propylene glycol

Species: Rabbit  
Severity: Mild**Respiratory or skin sensitisation****Respiratory sensitisation**

Not a respiratory sensitiser.

**Skin sensitisation**

This product is not expected to cause skin sensitisation.

**Skin Sensitisation**

Lasalocid sodium

GPMT  
Species: Guinea Pig  
Severity: Negative**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Mutagenicity**

Lasalocid sodium

Chromosome Aberration  
Result: Negative  
Species: Fungi Human Lymphocytes  
  
In Vitro Bacterial Mutagenicity (Ames)  
Result: Negative  
Species: Salmonella , E. coli  
  
In Vitro Mammalian Cell Mutagenicity  
Result: Negative  
Species: Hamster Lung Cells  
  
In Vitro Mitotic Gene Conversion  
Result: Negative  
Species: Saccharomyces cerevisiae  
  
Unscheduled DNA Synthesis  
Result: Negative  
Species: Rat Hepatocyte**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity**

May damage fertility or the unborn child.

**Developmental effects**

Lasalocid sodium

0.5 mg/kg/day Embryo / Fetal Development, (Fetotoxicity, Maternal toxicity)  
Result: NOEL  
Species: Rabbit  
Organ: Oral0.5 mg/kg/day Prenatal & Postnatal Development, (Embryotoxicity)  
Result: NOAEL  
Species: Rat  
Organ: Oral3 mg/kg/day Embryo / Fetal Development, (Maternal Toxicity)  
Result: NOEL  
Species: Rat  
Organ: Oral

<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Further information</b>	Symptoms may be delayed.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects. Avoid release to the environment.

Components	Species	Test Results
Lasalocid sodium (CAS 25999-20-6)		
	EC50	Activated sludge
	NOEC	Eisenia foetida (Earthworm)
		> 1000 mg/l, 3 hours
		82.4 mg/kg, 28 days [mortality and weight]
		41.2 mg/kg, 28 days [reproduction]
<i>Acute</i>		
	LC50	Eisenia foetida (Earthworm)
		143.6 mg/kg
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Scenedesmus subspicatus (Green Alga)
		3.1 mg/l, 72 hours [growth rate]
		2 mg/l, 72 hours [biomass]
Crustacea	EC50	Daphnia magna (Water Flea)
		5.4 mg/l, 48 hours
Fish	LC50	Brachydanio rerio (Zebra fish)
		2.5 mg/l, 96 hours
Propylene glycol (CAS 57-55-6)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna)
		> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)
		710 mg/l, 96 hours

### Persistence and degradability

#### Biodegradability

##### Percent Degradation (Aerobic Biodegradation)

Lasalocid sodium

DT50, Soil (various), Readily biodegradable  
Result: 0.6-14.2 days

OECD 301F, Not readily biodegradable  
Result: 0% After 28 days

**Bioaccumulative potential** See below

#### Partition coefficient n-octanol / water (log Kow)

Lasalocid sodium

2.3, Log P @ pH 7

#### Bioconcentration factor (BCF)

Lasalocid sodium

56 Predicted, (PBT Profiler)

**Mobility in soil** This product is miscible in water and may not disperse in soil.

#### Adsorption

##### Soil/Sediment Sorption - Log Koc

Lasalocid sodium

2.93 - 3.21 OECD 106

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

<b>Disposal instructions</b>	Avoid release to the environment. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	None known.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

<b>TDG</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

### 15. Regulatory information

#### Canadian regulations

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

#### International regulations

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto Protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

#### International Inventories

**Country(s) or region****Inventory name****On inventory (yes/no)\***

Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No



Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 01-November-2016

**Revision date** 22-February-2022

**Version No.** 03

**List of abbreviations** ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

**Disclaimer** Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information**

- Identification: Recommended restrictions
- Composition / Information on Ingredients: Disclosure Overrides
- Composition/information on ingredients: Composition comments
- Composition/information on ingredients: Component information
- First-aid measures: Ingestion
- First-aid measures: General information
- Accidental release measures: Methods and materials for containment and cleaning up
- Toxicological Information: Toxicological Data
- Toxicological information: Further information
- Ecological information: Bioaccumulative potential
- Ecological information: Mobility in soil
- Disposal considerations: Disposal instructions
- Regulatory Information: Other
- GHS: Classification