



Virbac New Zealand Limited

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Bovipen**
 Product Use: Injectable penicillin for the treatment of infection caused by penicillin-sensitive organisms in cattle.
Restricted Veterinary Medicine.

Restriction of Use: Refer to Section 15

New Zealand Supplier: **Virbac New Zealand Limited**
 Address: 26 – 30 Maui Street
 Pukete, Hamilton

Telephone: +64 7 849 6782
 Customer Service Toll no: 0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 23 March 2022

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: Veterinary Medicines (Limited Pack Size, Finished dose) – HSR100757

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment acute/chronic Cat. 1	H400/410	Very toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Product Name: **Bovipen**
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Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Penicillin	30	6130-64-9 1538-09-6
Cetrimide	0.01 – 0.1	8044-71-1
Non hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Immediately hold eyes open & wash continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart & away from eye & moving the eyelids by occasionally lifting the upper & lower lids. If discomfort persists, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

If on Skin Immediately flush body & clothes with large quantities of water. Quickly remove all contaminated clothing & footwear. Wash affected areas with water (& soap if available) for at least 15 minutes. Obtain medical attention if irritation develops. Wash clothing before re-use.

If Swallowed Do not induce vomiting. Wash out mouth thoroughly with water. Give plenty of water to drink. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.

If 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. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Not applicable.

Inhalation: Not applicable.

Skin: May cause an allergic skin reaction.

Eye: Not applicable.

Notes to Doctor: If swallowed do not induce vomiting.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from	On heating to decomposition, emits toxic fumes.

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combustion products	
Suitable Extinguishing media	Water spray or fog / foam / dry chemical powder / carbon dioxide.
Precautions for firefighters and special protective clothing	Breathing apparatus for fire only.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Do not allow to enter drains and water courses.

Re-position any leaking containers to minimise any further leakage. Dam & absorb spill with an absorbent material (sand or soil). Shovel the absorbed material into a drum or similar robust container. Decontaminate the spill area with detergent & water & rinse with the smallest volume of water possible. Dispose of in compliance with local and/or national regulations as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash hands thoroughly after handling.
- In case of inadequate ventilation wear respiratory protection.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid contamination of any water supply with chemical or empty container.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store in original container, tightly closed, away from foodstuffs.
- Store upright in a cool place.
- Do not freeze.
- Protect from light.
- Store locked up.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm mg/m³	STEL ppm mg/m³
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No ingredients have 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. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls

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None known.

Personal Protection Equipment



Eyes	Not required.
Skin	When handling in bulk quantities, wear suitable gloves, protective clothing.
Respiratory	Not required.
General	Wash thoroughly with soap and water after handling.

Section 9 Physical and Chemical Properties

Appearance	White suspension of penicillin in a clear or slightly yellow solution.
Odour	Faint, musty
Odour Threshold	Not available
pH	5.0 – 7.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not highly flammable, but may burn
Combustibility	The product is aqueous suspension and is not combustible until the water has been driven off by the heat.
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	0.96 – 1.13g/L
Water Solubility	Slightly soluble in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	Temperatures exceeding 20°C or less than 2°C.
Incompatible Materials	Solvents which may degrade the plastic container. Strong oxidising agents (e.g. peroxides, permanganates, nitric acid etc).
Hazardous Decomposition Products	On heating to decomposition, emits toxic fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.

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Eye	Not applicable.
Skin	May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Information on Penicillin:

Acute Toxicity (LD50):

Rat, i.v : 97 mg/kg.
 Mouse, i.p: 146mg/kg.
 Mouse, s.c: 2300mg/kg.
 Mouse, i.v: 119mg/kg.
 Rabbit, i.v: 70mg/kg

Chronic Toxicity:

NOEL (mouse, oral): < 1100 mg/kg.
 LOEL (mouse, oral): > 2300 mg/kg.

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.
 Acute ecotoxicity L(E)C50 ≤ 1mg/L

Product:	
Persistence and degradability	Does not persist in the environment owing to degradation & photolysis.
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple or pressure rinse container including exterior and cap. Dispose of rinsate and any undiluted chemical according to local regulations.

Dispose of empty container by wrapping with paper and placing in the garbage.

Precautions or methods to avoid:

Avoid contamination of any water supply with chemical or empty container.
 Toxic to fish. Do not contaminate dams, rivers, streams or other waterways with product or empty container.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	3082
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Veterinary Medicines (Limited Pack Size, Finished dose) – HSR100757

GHS Classification:

Skin sensitisation Cat. 1

Hazardous to the aquatic environment acute/chronic Cat. 1

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	Only use for the intended purpose.
ACVM Approval No See www.foodsafety.govt.nz for registration Conditions	A005301

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017