



Date of preparation:
26 April 2017

SAFETY DATA SHEET

MetriVet

Section 1: Identification of the Substance and Supplier

Product Name:	MetriVet
ACVM Registration Number:	A10955
Pack sizes:	20 x 19g syringe
Recommended Use:	Intra-uterine treatment for subacute and chronic endometritis in cows and repeat breeders.
Company Details:	AgriHealth NZ Ltd Unit 1.2, 89 Grafton Road, Grafton, Auckland 1010, New Zealand Phone: +64 9 215 1199 Fax: +64 9 984 9455 Website: www.agrihealth.co.nz
Emergency Telephone:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111

Section 2: Hazards Identification

Classified as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

MetriVet is approved pursuant to the HSNO Act 1996, **HSR100757**. The EPA website www.epa.govt.nz should be consulted for the full list of triggered controls and cited regulations.

Hazard Classifications:	6.3B Skin irritant
	6.4A Eye irritant
	6.5B Contact sensitiser
	6.9B Target organ toxin
	9.1D Aquatic ecotoxin

Signal word:	WARNING
Hazard statements:	Causes mild skin irritation Causes eye irritation May cause an allergic skin reaction May cause damage to organs through prolonged or repeated exposure Harmful to aquatic life
Handling precautions:	Contaminated work clothing should not be allowed out of the workplace Wash contaminated clothing before reuse
Precautionary statements:	Wash hands and exposed skin thoroughly after handling. Wear gloves when handling
First Aid:	IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice or attention 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 or attention Get medical advice or attention if you feel unwell For advice call the National Poisons Centre 0800 POISON (0800 764 766)

Section 3: Composition / Information on Ingredients

Product Components:

Name	CAS Number	Concentration
Cephapirin benzathine	97468-37-6	3.3%
Macrogol cetostearyl ether	68439-49-6	9.2%
Non-hazardous components	N/A	87.5%

N/A = not applicable or not available

Section 4: First Aid Measures

First Aid Measures: For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor.

Skin Contact: If skin contact occurs remove contaminated clothing and wash skin with soap and water. If skin irritation, rash or symptoms occur or persist, consult a doctor.

Eyes: If eye contact occurs, 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.

Ingestion: If swallowed and you feel unwell, seek medical attention. Rinse mouth.

Workplace Facilities: No special facilities are required.

Required Instructions: Wear protective gloves and eye protection. Wash contaminated clothing before reuse.

Section 5: Fire Fighting Measures

Type of hazard: Not flammable

Hazardous thermal decomposition products: Unknown

Extinguishing Media and Methods: Water spray, dry powder, carbon dioxide, or foam.

Hazchem Code: N/A

Recommended Protective Clothing: Wear full protective clothing and self-contained breathing apparatus (SCBA)

Section 6: Accidental Release Measures

Emergency Procedures: Wear suitable protective clothing including eye protection. Restrict access to contaminated area. Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into waterways. Retrieve intact containers from site. Place damaged containers into containment devices. Clean the contaminated area with new sponges soaked in water. Place the spillage including sponges into sealable containers for disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

Section 7: Handling and Storage

Precautions for Safe Handling: Wear protective gloves and eye protection. Avoid contact with skin and eyes.

Regulatory Requirements: An emergency response plan is required when stored in quantities of **1,000L** or greater.

Secondary containment is required when stored in quantities of **1,000L** or greater.

	Signage is required for this substance when stored in quantities of 10,000L or greater.
Handling Practices:	Avoid skin contact. Wash hands and exposed skin before meals and after use. Do not eat, drink or smoke while using. Wash contaminated clothing before reuse.
Approved Handlers:	Not required
Conditions for Safe Storage:	Store below 25°C. Store in the original container, away from direct heat or direct sunlight. Keep out of reach of children.
Packaging:	Store in original container, away from foodstuffs, in a well-ventilated place.

Section 8: Exposure Control / Personal Protection

Workplace Exposure Standards:	None set
Application in the Workplace:	Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent contact with skin and eyes.
Exposure Standards outside the Workplace:	None set
Personal Protection:	Wear protective gloves. Do not eat, drink or smoke when using this product. Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages.

Section 9: Physical and Chemical Properties

Product Properties:	Appearance:	Cream liquid suspension
	Flammability:	Non-flammable
	Density:	0.96 g/mL (20°C)
	Solubility:	Insoluble

Section 10: Stability and Reactivity

Stability of the Substance:	Stable under normal conditions of use and storage
Conditions to Avoid:	Avoid extreme temperatures and exposure to light
Material to Avoid:	None known
Hazardous Decomposition Properties:	No hazardous decomposition products known
Hazardous Polymerisation:	Does not occur

Section 11: Toxicological Information

HSNO Classification: 6.3B, 6.4A, 6.5B, 6.9B, 9.1D

No data is available for the formulated product. The following information relates to cephalixin.

Acute toxicity:

Ingredient	LD50	Species	Result
Cephalixin	Oral	Rat	14,000 mg/kg

Skin irritation: Irritating to skin
Eye irritation: Irritating to the eye
Sensitisation: Respiratory and contact sensitiser
Mutagenicity: Not mutagenic
Carcinogenicity: Not carcinogenic
Reproductive effects: No reproductive effects
Teratogenicity: Not teratogenic

Organ effects from prolonged exposure: The major categories of adverse reactions towards cephalixin in humans are gastrointestinal, dermatologic, hypersensitivity, haematologic, hepatic, renal and central nervous system. Two major studies on humans receiving either injections into muscles or veins have been performed. The most common adverse reactions were hypersensitivity reactions and alterations to liver function. Evidence of white blood cell disorders and anaemia were noted in some subjects.

Section 12: Environmental Information

HSNO Classification: 9.1D

No data is available for the formulated product. The following information relates to ingredients.

Cephalixin is not ecotoxic.

Ethoxylated alcohols (macrogol cetostearyl ether):

SPECIES: *Oryzias latipes*, Medaka 48 hr LC50 3.5mg/L

SPECIES: *Daphnia* EC50 20 - 100 mg/L

SPECIES: Algae Algae constitute the group of aquatic organisms which appear to be the most sensitive to AE. The acute toxicity of linear and branched AE to algae is in the same range with EC50 values from 0.05 to 50 mg/L. Besides the differences in chemical structure, the reason for the variation may be due to different test conditions and different test species. For the linear types, the toxicity increases with increasing hydrophobe chain length.

Persistence and biodegradability: Rapidly degradable

Section 13: Disposal Considerations

Disposal Information: Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container.

Section 14: Transport Information

Land Transport	Not classified as dangerous goods for transport under NZ Standard 5433:2007 Transport of Dangerous Goods on Land.
Air Transport	Not classified as dangerous goods for transport under International Civil Aviation Organisation and International Air Transport Association regulations
Sea Transport	Not classified as dangerous goods for transport under International Maritime Organisation regulations
UN Number	N/A
Proper Shipping Name	N/A
DG Class	N/A
Subsidiary Risk	N/A
Packing Group	N/A
HAZCHEM Code	N/A
Marine Pollutant	No

The maximum quantity of this substance allowed for carriage on public service vehicles is 100mL.

Section 15: Regulatory Information

Regulatory Status: Registered pursuant to the ACVM Act 1997, No A10955
See www.foodsafety.govt.nz for registration conditions

HSNO and ACVM Controls: Refer to section 2

List Exposure Limits: None set

An SDS must be provided whenever **1L** of MetriVet is sold or supplied.

An emergency response plan is required when stored in quantities of **1,000L** or greater.

Secondary containment is required when stored in quantities of **1,000L** or greater.

Signage is required for this substance when stored in quantities of **10,000L** or greater.

Section 16: Other Information

Additional Information: For product information see the AgriHealth website:
www.agrihealth.co.nz

Date of preparation: 26 April 2017

Due for revision within 5 years.

The SDS summarises, at the date of issue, AgriHealth's best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, AgriHealth NZ Ltd extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. AgriHealth NZ Ltd urges the recipient of this SDS to study it carefully to become aware of, and understand, the hazards associated with the product as well as determine the suitability of the information for the intended purpose.