

SAFETY DATA SHEET

STOCKGUARD METRI-CLEAN

Section 1: Identification of the Substance and Supplier	
Item	Description
Product names	METRI-CLEAN
Recommended use	For the treatment of subacute and chronic endometritis by Cephalosporin-sensitive organisms in cattle. Prescription Animal Remedy (P.A.R) Class I. For use only under the authority or prescription of a veterinarian.
Company details	Distributed by Stockguard Animal Health Ltd.
Address	26-30 Maui St, Pukete Park, Hamilton.
Phone number	07 849 6782
Emergency telephone number	During business hours: 07 849 6782 Outside business hours, call National Poisons Centre on 0800 764 766.
Date of preparation	6 th August 2009

Section 2: Hazards Identification	
Item	Description
Hazard classifications	Class 6 Toxic: - 6.3B Skin irritant. 6.4A Eye irritant. 6.5B Contact sensitiser. 6.9B Target organ toxicant. Class 9 Ecotoxic: - 9.1D Harmful to aquatic organisms.
Health hazards	May result in sensitisation in some individuals through prolonged or repeated unprotected skin contact. Sensitisation can lead to allergic reactions ranging from a skin rash to anaphylactic shock (which may be fatal).

Section 3: Composition / Information on Ingredients		
Chemical identity of Hazardous Ingredients	CAS no.	Content (% w/v)
Cephapirin	97468-37-6	2.63%
Eumulgin	68439-49-6	0.1 – 0.5%

Section 4: First Aid Measures	
Item	Description
Symptoms of acute overexposure	Metri-Clean is relatively harmless in the absence of any allergic sensitivity. For allergic individuals skin rash, watery eyes, shortness of breath, laboured breathing may occur. In some individuals the symptoms may be more severe, especially difficulty in breathing, & immediate medical assistance is recommended. The major categories of adverse reactions towards cephalosporin 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.
First Aid: If swallowed	Contact doctor or National Poisons Centre (0800 764 766). DO NOT INDUCE VOMITING. Wash out mouth thoroughly with water & give plenty of water to drink. For significant quantities, lean patient forward or place on left side (head down, if possible) to maintain open airway & prevent aspiration & refer for medical attention without delay. Provide a copy of this document to the practitioner.
Eye contact	Gently blot the material away from the eyes. If irritation occurs hold eyes open & wash continuously for at least 5 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.
Skin contact	Gently blot the material away. In the absence of an allergy, no effects are expected. For an allergic individual, 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.
Inhaled	The vapour has very low toxicity so First Aid is not generally required. If in doubt, Remove to fresh air. Lay patient down. Keep warm & rested & observe for any signs of an allergic reaction. If breathing is difficult, obtain medical attention.
Advice to doctor	Treat symptomatically. Treat as for an actual or potential allergen.

Section 5: Fire Fighting Measures	
Type of hazard	No unusual hazards associated with fire or explosions are known.
Fire hazard properties	May emit toxic fumes (such as carbon monoxide) when exposed to fire or heat. Flash point: not known. Ignition temperature: not known.
Special fire fighting precautions	Wear self-contained breathing apparatus.
Extinguish with	Carbon dioxide, foam or powder. Avoid water as it may result in violent steam generation.

Section 6: Accidental Release and Disposal Measures	
Item	Description
Personal precautions	Emergency procedures: Ensure suitable protective clothing is worn. For small volumes, chemical-resistant gloves will suffice. For large volumes, protective boots & overalls should also be worn.
Environmental precautions	Spilled product & washings must be prevented from entering any drains or waterways, or from contaminating the ground.
Procedure for a spill	Keep all bystanders away. Wear appropriate protective gear. 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. Dispose of in an approved landfill. Decontaminate the spill area with detergent & water & rinse with the smallest volume of water possible.

Section 7: Handling and Storage
ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS AND WARNINGS

Handling	When handling wear chemical-resistant gloves & goggles. Avoid contact with skin & eyes. Do not eat, drink or smoke while using. Wash hands thoroughly after use & before meals. Avoid self-inoculation.
Storage	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.

Section 8: Physical and Chemical Properties

Item	Description
Appearance	Creamy homogeneous white to off-white suspension.
Odour	Oily.
Flash point	Not known.
Ignition temperature	Not known.
Flammability	Not highly flammable, but may burn.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Combustibility	Not highly combustible, but may burn.
Corrosiveness	Not corrosive.
Specific gravity	0.962
pH	4 – 7.0
Solubility	Insoluble in water.

Section 9: Stability and Reactivity

Item	Description
Stability	Stable under recommended storage conditions.
Conditions to avoid	Temperatures exceeding 30°C or less than 2°C.
Materials to avoid	Solvents which may degrade the plastic container. Strong oxidising agents (eg peroxides, permanganates, nitric acid etc). Strong acids and strong bases.
Hazardous decomposition products	On heating to decomposition, emits toxic fumes.
Hazardous polymerisation	Does not occur.

Section 10: Toxicological Information - The information below applies to cephapirin

Acute toxicity (LD50)	Rat, i.v: 4580 mg/kg. Rat i.p. 8400 mg/kg. Rat oral 14000 mg/kg. Mouse, i.v: 4600 mg/kg. Rabbit i.v: >3000 mg/kg. Dog i.v: >2500 mg/kg. Dog i.m. >2500 mg/kg
Mutagenicity	Not mutagenic.

Section 11: Environmental Information

Item	Description
Aquatic environment	Harmful to aquatic organisms.
Soil environment	Does not persist in the environment owing to degradation & photolysis.

Section 12: Disposal Considerations

Item	Description
Procedure for product disposal	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility. Note that empty syringes may be returned to your vet as part of Stockguard's recycling programme.
Procedure for container disposal	Ensure container is completely empty. If permitted under Local Authority Plans burn if circumstances, especially wind direction, permit otherwise crush & bury in an approved Local Authority facility. DO NOT use the container for any other purpose.

Section 13: Transport Information

Under the HSNO Control EM1, the transport of quantities of this product in excess of 3Kg must comply with Land Transport Rule 45001 & Maritime Rule 24A in terms of labelling & documentation. Transport of any quantity by air must comply with Civil Aviation Rule 92.

Section 14: Regulatory Information

Item	Description
HSNO approval code	HSR002350
HSNO controls	Toxic: T2, T4, T5, T7. Identification: I1, I3, I9, I11, I16, I17, I18, I19, I21, I23, I28, I29 Packaging: P1, P3, P13, PS4 Disposal: D4, D5, D6, D7, D8 Emergency management: EM1, EM6, EM7, EM8, EM11, EM12, EM13
Approved handlers	Not required.
ACVM registration	Registered pursuant to the ACVM Act 1997, Number: A10361
ACVM controls	See www.nzfsa.govt.nz/acvm/ for registration conditions.