

SAFETY DATA SHEET

VIBROSTREP

Section 1: Identification of the Substance and Supplier

Item	Description
Product name	VIBROSTREP
Recommended use	For the treatment of bovine Vibriosis and infections caused by organisms susceptible to streptomycin and dihydrostreptomycin in pigs, sheep and 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	24 th May 2006

Section 2: Hazards Identification

Item	Description
Hazard classifications	Class 6 Toxic: 6.1C Acutely toxic 6.5B Contact sensitiser 6.8A Reproductive or developmental toxicant 6.9A Target organ toxicant
Health hazards	Class 9 Ecotoxic: 9.1A Very ecotoxic in the aquatic environment. 9.3B Toxic to terrestrial vertebrates May be fatal if swallowed, inhaled or absorbed through the skin. May cause eye irritation. Avoid contact with the eyes. May cause sensitisation on prolonged or repeated skin contact, leading to allergic reactions, which may be severe. Repeated exposure may cause organ damage to kidneys or disturbances in the ear, leading to dizziness, loss of balance and temporary or permanent hearing loss. May cause reproductive/developmental damage and foetal deformities from repeated exposure.

Section 3: Composition / Information on Ingredients

Chemical identity of Hazardous Ingredients	CAS no.	Content (% w/v)
Streptomycin (as sulphate)	3810-74-0	25.0
Dihydrostreptomycin (as sulphate)	5490-27-7	25.0
Sodium metabisulphite	7681-57-4	0.1 – 1.0

Section 4: First Aid Measures

Item	Description
Symptoms of acute overexposure	The product is relatively harmless in the absence of any allergic sensitivity. Skin rash, watery eyes, shortness of breath, coughing & wheezing and/or nasal congestion may occur. For allergic individuals the symptoms are more severe, especially difficulty in breathing, and immediate medical assistance is recommended. Damage to hearing is unlikely to occur from a single overexposure.
First Aid: If swallowed	Contact doctor or National Poisons Centre (0800 764 766). DO NOT INDUCE VOMITING. Wash out mouth thoroughly with water and 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 and prevent aspiration and refer for medical attention without delay. Provide a copy of this document to the practitioner.
Eye contact	Immediately hold eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and 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	Immediately flush body and clothes with large quantities of water. Quickly remove all contaminated clothing and footwear. Wash affected areas with water (and soap if available) for at least 15 minutes. Obtain medical attention if irritation develops. Wash clothing before re-use.
Inhaled	Remove to fresh air. Lay patient down. Keep warm and rested and 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 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	Water, carbon dioxide, foam or powder.

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 and goggles will suffice. For large volumes, protective boots and overalls should also be worn.
Environmental precautions	Spilled product and 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 and 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 and water and rinse with the smallest volume of water possible.

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

Handling	Do not eat, drink or smoke while using. When handling wear chemical-resistant gloves and eye protection. Remove protective clothing and wash hands and face thoroughly before meals and after using this product. 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	A yellowish, viscous, aqueous solution.
Odour	Sweet.
Flash point	Not known.
Ignition temperature	Not known.
Flammability	Not flammable.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Combustibility	Not combustible until the water has been driven off by the heat.
Corrosiveness	Not corrosive.
Specific gravity	1.28
pH	5 – 7.5
Solubility	Slightly soluble in water.

Section 9: Stability and Reactivity

Item	Description
Stability	Stable under recommended storage conditions.
Conditions to avoid	Temperatures exceeding 20°C or less than 2°C.
Materials to avoid	Solvents which may degrade the container. Strong oxidising agents (eg peroxides, permanganates, nitric acid etc).
Hazardous decomposition products	On heating to decomposition, emits toxic fumes.
Hazardous polymerisation	Does not occur.

Section 10: Toxicological Information

The information below applies to penicillin & dihydrostreptomycin (DHS)

Acute toxicity (LD50)	Streptomycin sulphate: Rat, oral: 430 mg/kg. Rat, s.c. 600mg/kg. Mouse, oral: 430mg/kg. DHS: Mouse, i.v: 264mg/kg
Chronic toxicity	DHS; NOEL (rat, oral) 5mg/kg/day
Mutagenicity	Not mutagenic.

Section 11: Environmental Information

Item	Description
Aquatic environment	Very ecotoxic in the aquatic environment (low levels of antibiotics in waterways may lead to increased microbial resistance and greater sensitisation of human populations using the water). No evidence of accumulation in aquatic organisms.
Terrestrial vertebrates	Toxic to terrestrial vertebrates.

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.
Procedure for container disposal	Ensure container is completely empty. If permitted under Local Authority Plans burn if circumstances, especially wind direction, permit otherwise crush and 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 1L must comply with Land Transport Rule 45001 and Maritime Rule 24A in terms of labelling and documentation. Transport of any quantity by air must comply with Civil Aviation Rule 92.

Section 14: Regulatory Information

Item	Description
HSNO approval code	HSR002213
HSNO controls	Toxic: T2, T4, T5, T7. Identification: I1, I8, I9, I16, I17, I18, I19, I20, I21, I23, I28, I29, I30. Packaging: P1, P3, P13, P15, PG3 Disposal: D4, D5, D6, D7, D8 Emergency management: EM1, EM6, EM8, EM11, EM12, EM13
Approved handlers	Not required.
ACVM registration	Registered pursuant to the ACVM Act 1997, Number: A3144.
ACVM controls	See www.nzfsa.govt.nz/acvm/ for registration conditions.