

Depomycin[®]

Page 1 of 5

Section 1: Identification of the Substance and Supplier

Product name	Depomycin Liquid containing 33-38% dihydrostreptomycin sulphate and 16-24% penicillin g procaine.
Recommended use	Veterinary antibiotic for use in horses, cattle, sheep, pigs, dogs and cats.
Company details	Intervet/Schering-Plough Animal Health Limited 33 Whakatiki Street, Upper Hutt Phone: 0800 800 543, Fax 0800 808 100 Website: www.intervet.co.nz Hours 8am – 5 pm, Mon – Fri
Emergency telephone	0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours
Date of preparation	May 2009

Section 2: Hazards Identification

Hazard classifications	6.1C, 6.5B, 6.8A, 6.9A, 9.1A, 9.3B
Priority identifiers	Danger - Keep out of reach of children Ecotoxic
Secondary identifier	6.1C May be fatal if absorbed through the skin 6.5B May cause an allergic skin reaction 6.8A May damage fertility or the unborn child from repeated oral exposure 6.9A May cause target organ damage from repeated oral exposure at high doses. 9.1A Very toxic to aquatic life with long lasting effects 9.3B Toxic to terrestrial vertebrates
Risk & Safety Phrases	R24 Toxic in contact with skin R61 May cause harm to the unborn child R50 Very toxic to aquatic organisms

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Benzylpenicillin procaine	54-35-3	20%
Dihydrostreptomycin sulphate (equivalent to 200mg Dihydrostreptomycin – standard activity of non-dried substance 71.7%)	5490-27-7	27.8%
Methyl parahydroxybenzoate	99-76-3	<1%

Depomycin[®]

Section 4: First Aid Measures

Necessary first aid measures

Penicillin may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact. Do not handle this product if you know you are sensitised, or if you have been advised not to work with such preparations. Handle this product with great care to avoid exposure.

ACCIDENTAL SELF-INJECTION: Wash and disinfect self injection injuries. Seek medical advice if irritancy or an allergic response occurs – show this SDS.

SKIN CONTACT: In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

EYE CONTACT: In case of eye contact, immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

INGESTION: Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

INHALATION: Remove to fresh air and provide oxygen if necessary. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a doctor.

Required instructions

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

Notes for medical personnel

Accidental self-injection: Treat symptomatically. Some risk of hypersensitivity from injection. Contamination of the needle must be considered.

Workplace facilities

Emergency showers and eyewashes may be warranted depending on quantity and type of use.

Section 5: Fire Fighting Measures

Type of hazard

Not classified as flammable

Fire hazard properties

Not applicable

Regulatory requirements

Not applicable

Extinguishing media and methods

Carbon dioxide (CO₂), extinguishing powder or water spray

Hazchem code

3Z (Contain spillage)

Recommended protective clothing

Wear self-contained breathing apparatus (SCBA) plus protective gloves.

Depomycin[®]

Page 3 of 5

Section 6: Accidental Release Measures

Emergency procedures	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal. Avoid contamination of any water source or soil with product or empty container.
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Section 7: Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
Regulatory requirements	Signage required where quantities greater than 100L are present. Emergency Plan required where quantities greater than 100L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Approved handlers	Not required.
Conditions for safe storage	See below.
Store site requirements	Store in a cool place (2-8°C). Do not freeze.
Packaging	PG III

Section 8: Exposure Control/Personal Protection

Workplace exposure standards	No WES is set for this substance at this time.
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL or EEL is set for this substance at this time
Personal protection	Wear chemical resistant gloves, facemask or goggles.

Section 9: Physical and Chemical Properties

Appearance	White to off white suspension with slight odour
Boiling Point	Not available
Melting/Softening point	Not available
Vapour Pressure	Not determined
Specific Gravity	Not determined
Solubility (H ₂ O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Depomycin[®]

Page 4 of 5

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions. Warming the product above 30°C may initiate a degradation reaction, with the formation of penillic, penicillenic and penicollitic acids. Gas slowly evolved during this reaction may result in the bottle building up an over-pressure resulting in the spraying of contents when punctured by a syringe.
Conditions to avoid	Avoid high temperatures
Material to avoid	Avoid food products
Hazardous decomposition products	May evolve toxic gases if heated to decomposition.

Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	Penicillin: Produces hypersensitivity reactions [INCHEM] LD50 (Ingestion): > 2000 mg/kg (rat) Methyl paraben LD50 (Ingestion): 3000 mg/kg (guinea pig) Dihydrostreptomycin has been reported to be more likely to cause partial or complete hearing loss than streptomycin and was therefore not recommended for use in humans (Martindale, 1993).[INCHEM]
DERMAL	Streptomycin: Acute percutaneous LD50 for male mice = 400 mg/kg, female mice = 325 mg/kg [Pesticides Manual, 12th Edition]
TEL	No TEL is set for this substance at this time.

Chronic/long term effects for individual ingredients only

Section 12: Environmental Information

Effects for individual ingredients only.

AQUATIC	Streptomycin sulphate: EC50 0.007mg/L (7 days) Microcystis aeruginosa Penicillin: 96Hr EC50 0.006mg/l (algae) [ERMANZ]
TERRESTRIAL VERTEBRATES	Streptomycin: LD50 235mg/kg (female mice) [Pesticides Manual, 12th Edition]
EEL	No EEL is set for this substance at this time.

Section 13: Disposal Considerations

Disposal information	<p>Disposal Dispose of this product only by using according to the label, or at an approved landfill, or other approved facility. Avoid contamination of any water source or the environment with product or empty container.</p> <p>Container Disposal Bury in an approved landfill or other approved facility.</p>
Reference	Current version of NZS 8409 Management of Agrichemicals

Depomycin[®]

Page 5 of 5

Section 14: Transport Information

Relevant information	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dihydrostreptomycin sulphate) Class 9 PG III Limited quantities: 5L Maximum quantity for own agricultural use: 250L
Other requirements	Refer to Haznote.

Section 15: Regulatory Information

Regulatory status	HSNO Approval Code: HSR002279. For a full listing of controls see www.ermanz.govt.nz ACVM registration number: A004257. For conditions of registration see www.nzfsa.govt.nz/acvm Prescription Animal Remedy (P.A.R) Class I For use only under the authority or prescription of a veterinarian.
HSNO and ACVM controls	Signage: 100 Litres Emergency Plan: 100 Litres

Section 16: Other Information

Additional information	Depomycin is a trademark of Intervet International B.V.
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Schering-Plough Animal Health Limited urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Schering-Plough Animal Health Limited 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. Each individual should make a determination as to the suitability of the information for their particular purpose(s).