SAFETY DATA SHEET
Cobactan® 2.5% Injection

Section 1: Identification of the Substance and Supplier

Product name Cobactan 2.5% Injection

Recommended use For the treatment of bacterial infections in cattle and pigs caused by the Gram positive and Gram-negative micro-organisms sensitive to cefquinome.

Company details Schering-Plough Animal Health Ltd
33 Whakatiki Street, Upper Hutt 5018, New Zealand
Phone: 0800 800 543 Fax: 0800 808 100
Website: www.msd-animal-health.co.nz
Hours: 8 am – 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 April 2019

Section 2: Hazards Identification

Hazard classifications This product is non-hazardous as it does not trigger any of the minimum degrees of hazard under the HSNO Act 1996.

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cefquinome (as cefquinome sulphate)</td>
<td>123766-80-3</td>
<td>2.5%</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

Necessary first aid measures
Penicillins and cephalosporins 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 Obtain medical attention - show this SDS. Accidental self-injection may lead to an inflammatory response and medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied.

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 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.
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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 Cefquinome is a cephalosporin with bactericidal activity. Cephalosporins may cause hypersensitivity reactions including anaphylaxis, skin rashes, fever, or skin rashes in susceptible individuals. Contact dermatitis developed in nurses exposed to a similar cephalosporin, and another cephalosporin may have cause a photosensitization reaction.

Ingestion of cephalosporins may produce gastrointestinal effects including nausea, vomiting, or diarrhoea. Other effects that may occur include headache, confusion, restlessness, agitation, ringing in the ears, muscle incoordination, double vision, decreased white blood cells, platelets, and red blood cell counts, or kidney effects.

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 None allocated
Recommended protective clothing Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Personal Precautions Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental Precautions Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.

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.
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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
None specified.

Handling practices
Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.

Certified handlers
Not required.

Conditions for safe storage
Store in original container in a cool, dry, ventilated place. Keep container sealed when not in use. Keep out of reach of children.

Store site requirements
Store up to 25°C and protect from light.

Packaging
Schedule 4

Section 8: Exposure Control/Personal Protection

Occupational exposure limits
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 set for this substance at this time.

Personal protection
Wear chemical resistant gloves, facemask or goggles.

Engineering controls
The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Milky-White to slight brownish suspension</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determine</td>
</tr>
<tr>
<td>Melting/Softening point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>Not available</td>
</tr>
<tr>
<td>Percent Volatiles</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
**Section 10: Stability and Reactivity**

**Stability of the substance**
Stable under normal conditions.

**Conditions to avoid**
Avoid high temperatures and freezing.

**Material to avoid**
Avoid food products.

**Hazardous decomposition products**
No dangerous decomposition is expected if used according to manufacturer’s specifications.

**Section 11: Toxicological Information**

**Acute effects for individual ingredients only**

<table>
<thead>
<tr>
<th>TEL</th>
<th>No TEL is set for this substance at this time.</th>
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</table>

**Chronic/long term effects for individual ingredients only**

**Section 12: Environmental Information**

**Effects for individual ingredient only.**

<table>
<thead>
<tr>
<th>EEL</th>
<th>No EEL is set for this substance at this time.</th>
</tr>
</thead>
</table>

**Section 13: Disposal Considerations**

**Disposal information**

**Disposal**
Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.

**Container Disposal**
Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.

**Needle Disposal**
Discarded needles should immediately be placed in a designated and appropriately labelled ‘sharps’ container.

**Reference**
Current version of NZS 8409 Management of Agrichemicals.

**Section 14: Transport Information**

**Relevant information**
Not classified as a dangerous good for transport

**Section 15: Regulatory Information**

**Regulatory status**
ACVM registration number: A08163.
For conditions of registration see www.foodsafety.govt.nz

Approval not required under the HSNO Act 1996.

RESTRICTED VETERINARY MEDICINE
Additional information

Cobactan is a registered trademark.

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