Section 1: Identification of the Substance and Supplier

Product name: Cepravin Dry Cow

Recommended use: Veterinary antibiotic for treatment and prevention of mastitis in cattle.

Company details:
MSD Animal Health, 33 Whakatiki Street, Upper Hutt

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: August 2011

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>Cephalonium dihydrate</td>
<td>5575-21-3</td>
<td>5-15%</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.

INHALATION Remove to fresh air. 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.

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 Poison Control Centre. If symptoms 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
Cephalonium 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. Cephalexin readily crosses the placenta and into human breast milk in small amounts.

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
Not applicable

Recommended protective clothing
Wear full protective clothing and self-contained breathing apparatus (SCBA).

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.

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
Not required

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
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 protected from light below 30ºC. DO NOT refrigerate or FREEZE.

Packaging
PG III
Section 8: Exposure Control/Personal Protection

Workplace exposure standards
Not applicable

Application in the workplace
Ensure adequate ventilation. Keep container sealed when not in use.

Exposure standards outside the workplace
No TEL is set for this substance at this time
EEL – not applicable

Personal protection
Wear chemical resistant gloves, facemask or goggles.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White to cream coloured suspension.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting/Softening point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Percent Volatiles</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

Stability of the substance
Stable under normal conditions.

Conditions to avoid
Extremes of temperature. Exposure to light.

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

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

EEL
Not applicable

Section 13: Disposal Considerations

Disposal information

Disposal
Dispose of unused contents in a suitable landfill.

Container Disposal
Dispose of empty syringe by burying in a suitable landfill.

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 No: A3322
For conditions of registration see www.foodsafety.govt.nz

Approval not required under the HSNO Act 1996.

RESTRICTED VETERINARY MEDICINE

Section 16: Other Information

Additional information
Cepravin is a registered trademark.

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