

SAFETY DATA SHEET

Spectrazol Milking Cow[®]

Section 1: Identification of the Substance and Supplier

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| Product name | Spectrazol Milking Cow Liquid containing 9.2 – 9.5% cefuroxime sodium |
| Recommended use | For treatment of clinical mastitis in lactating cows |
| 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 | September 2011 |

Section 2: Hazards Identification

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| Hazard classifications | 6.3B, 6.5B |
| Priority identifiers | WARNING |
| Secondary identifier | 6.3B May cause mild skin irritation 6.5B May cause an allergic skin reaction |
| Risk & Safety Phrases | R43 May cause sensitisation by skin contact |

Section 3: Composition/Information on Ingredients

| Chemical name | CAS number | Concentration |
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| Cefuroxime sodium | 56238-63-2 | 9.22% |

Section 4: First Aid Measures

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| Necessary first aid measures | <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> |
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| Required instructions | For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor. |
| Notes for medical personnel | Cefuroxime sodium is a cephalosporin. 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. Cefuroxime sodium readily crosses the placenta and into human breast milk in small amounts. |
| Workplace facilities | Emergency showers and eyewashes may be warranted depending on quantity and type of use. |

Section 5: Fire Fighting Measures

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| Type of hazard | Not classified as flammable |
| Fire hazard properties | Not applicable |
| Regulatory requirements | Not applicable |
| Extinguishing media and methods | Carbon dioxide (CO ₂), 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

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| 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

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| 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 | Emergency Plan required where quantities greater than 1000L are present. |
| Handling practices | Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use. |
| Approved handlers | Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children. |
| 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 below 25°C. Do not refrigerate. |
| Packaging | PG III |

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Section 8: Exposure Control/Personal Protection

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| Workplace exposure standards | No WES have been set for this substance |
| 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

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| Appearance | A smooth white to cream suspension. |
| Boiling Point | Not determined |
| Melting/Softening point | Not applicable |
| Vapour Pressure | Not determined |
| Specific Gravity | Not determined |
| Solubility (H ₂ O) | Insoluble |
| Percent Volatiles | Not determined |

Section 10: Stability and Reactivity

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| Stability of the substance | Stable under normal conditions. |
| Conditions to avoid | Extremes of temperature. Direct 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

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| ORAL | Cefuroxime sodium: Oral LD50 >10,000 mg/kg (rats), LD50 >10,000 mg/kg (mouse). |
| TEL | No TEL is set for this substance at this time. |

Chronic effects for individual ingredients only

Cefuroxime sodium is not teratogenic in mice and rabbits. Rabbits given dosages of up to 150 mg/kg intravenously and subcutaneously on gestation days 6-18 had no adverse effects on the foetuses. Mice given dosages up to 3200 mg/kg/day showed no inhibition of fertility or foetal harm.

Cefuroxime sodium: Negative in mouse lymphoma assay and multiple bacterial mutation tests (Ames), Positive in in-vitro chromosome aberration, negative in in-vivo micronucleus test.

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Section 12: Environmental Information

Effects for active ingredient only

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| EEL | Not applicable |
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Section 13: Disposal Considerations

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| 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

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| Relevant information | Not classified as a dangerous good for transport |
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Section 15: Regulatory Information

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| Regulatory status | ERMA Approval Code: HSR002277 For full listings of controls see www.epa.govt.nz ACVM Registration No: A5270 For conditions of registration see www.foodsafety.govt.nz RESTRICTED VETERINARY MEDICINE |
| HSNO and ACVM controls | Emergency Plan: 1000 Litres |

Section 16: Other Information

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| Additional information | Spectrazol is a registered trademark. |
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