



CROSS VETPHARM GROUP

MATERIAL SAFETY DATA SHEET

According to EC Directive 2001/58/EEC

Prepared: March, 2008

Issue No: 2

1. Identification of the Chemical Substance and company identification	4. First Aid Measures						
<p>Product Name: Bimectin Horse Paste</p> <p>Synonyms: Bimectin für Pferde, Bimectin Horse Oral Paste, Bimectin Horse Wormer, Bimectin pasta voor paarden, Bimectine Pâte, Bimectin vet., Diapec P Gel, Maximec, Maximec Pasta, Maximec Pâte Orale, Maximec vet., Vectin Horse Oral Paste.</p> <p>Use/ Application: Veterinary medicine, paste for oral administration.</p> <p>Company Undertaking Identification: Cross Vetpharm Group Ltd., Broomhill Road, Tallaght, Dublin 24, Ireland.</p> <p>Emergency Telephone Number: +353 1 4515011</p>	<p>Eyes: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart for at least 15 minutes. Obtain medical attention.</p> <p>Skin: Remove contaminated clothing. Wash off immediately with water. Obtain medical attention in cases of persistent irritation.</p> <p>Ingestion: Wash out mouth with water. Obtain immediate medical attention.</p> <p>Inhalation: Remove to fresh air. If breathing stops or shows signs of failing give artificial respiration and obtain medical attention.</p> <p>Medical Information: Treat symptomatically; provide support to maintain life functions. For specialist advice doctors should contact the nearest Poisons Information Centre.</p>						
2. Composition/Information on Ingredients.	5. Fire Fighting Measures						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Ingredient</th> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Hazard Classification</th> </tr> </thead> <tbody> <tr> <td>Ivermectin</td> <td>70288-86-7</td> <td>Toxic: R21, R25, R50/53</td> </tr> </tbody> </table>	Ingredient	CAS No.	Hazard Classification	Ivermectin	70288-86-7	Toxic: R21, R25, R50/53	<p>Extinguishing Media: Water spray, dry powder, carbon dioxide or foam.</p> <p>Fire and Explosion Hazards: May emit noxious or toxic fumes by reaction with other material if involved in fire.</p> <p>Protective Measures and Equipment: Full protective equipment including self-contained breathing apparatus if fire is large or in a confined space.</p>
Ingredient	CAS No.	Hazard Classification					
Ivermectin	70288-86-7	Toxic: R21, R25, R50/53					
3. Hazards Identification	6. Accidental Release Measures						
<p>Human: The low concentration of active ingredient and the physical presentation of the product mean that the risks to health during normal handling are low.</p> <p>Environment: Non hazardous</p>	<p>Personal Precautions: For large spillages, evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. For small spillages absorb with cloth or suitable absorbent and dispose of as contaminated waste. Prevent skin contact.</p> <p>Environmental Precautions: Spillages or uncontrolled discharges into watercourses drains or sewers must be immediately alerted to the Environment Agency or other applicable regulatory body.</p> <p>Methods for cleanup/recovery: Soak up with inert absorbent. Transfer to a double polyethylene-lined container for disposal. Wash spill site and ventilate area after material pickup is complete.</p>						

<p>7. Handling and Storage</p> <p>Handling: Do not eat or drink when using. Wash hands after handling material. Avoid contact with material. Use chemical protective gloves during use.</p> <p>Storage: Store only in the original container at room temperature (not exceeding 25°C). Protect from light. Keep out of reach and sight of children.</p> <p>Specific use: Use only for the intended purpose.</p>	<p>10. Stability and reactivity</p> <p>Stability: Stable for two years from the date of manufacture when stored unopened.</p> <p>Conditions to Avoid: Storage temperatures in excess of 25°C.</p> <p>Materials to Avoid: No information available.</p> <p>Hazardous Decomposition Products: When heated to decomposition toxic gases, including carbon dioxide and monoxide may be evolved.</p>						
<p>8. Exposure Controls / Personal Protection</p> <p>Occupational Precautions: Avoid exposure to the product.</p> <p>Engineering Measures: None required.</p> <p>Personal Protective Equipment: None required.</p> <p>Respiratory: Not necessary.</p> <p>Hand: Chemical protective gloves.</p> <p>Eye: Avoid contact with the eyes.</p> <p>Occupational exposure limits: For Ivermectin 0.08mgm⁻³ (8-hour time-weighted average).</p>	<p>11. Toxicological Information</p> <p>Inhalation: The formulation does not emit hazardous vapour levels during normal handling and exposures will not exceed the recommended occupational exposure limit for Ivermectin.</p> <p>Skin Contact: Non irritating.</p> <p>Eye Contact: Direct contact with paste may cause irritation.</p> <p>Ingestion: Ivermectin is toxic orally in rodent animal studies but has been shown to be less toxic in humans. Taking into account the low concentration of the active ingredient in the formulation, the toxicity of formulation if swallowed is therefore expected to be low.</p> <p>Carcinogenicity: Ivermectin is non-mutagenic in several mutagenicity tests.</p>						
<p>9. Physical/Chemical Properties</p> <p>Appearance: Yellow gel-like paste.</p> <p>Physical state: Paste.</p> <p>Odour: Odourless.</p> <p>Boiling Point: 185°C (365°F).</p> <p>Melting Point: No information available.</p> <p>Flash Point: 101°C (214°F).</p> <p>Flammability / Autoflammability: No information available.</p> <p>Explosive Properties: No explosion hazard.</p> <p>Oxidizing Properties: No information available.</p> <p>Vapour Pressure: No information available.</p> <p>Relative Density: No information available.</p> <p>Solubility in Water/Fat: Miscible in water.</p> <p>Partition Co-efficient: No information available.</p> <p>Viscosity: No information available.</p> <p>Vapour Density: No information available.</p> <p>Evaporation rate: No information available.</p>	<p>12. Ecological Information</p> <p>Ecotoxicity:</p> <table border="0"> <tr> <td>LC₅₀ of ivermectin Daphnia Magna. 48hrs.</td> <td>0.025ppb</td> </tr> <tr> <td>LC₅₀ of ivermectin Rainbow Trout. 96hrs.</td> <td>3.0 ppb</td> </tr> <tr> <td>LC₅₀ of ivermectin Bluegill Sunfish. 96hrs.</td> <td>9.6 ppb</td> </tr> </table> <p>Mobility: Water solubility of ivermectin is limited and it binds strongly to the soil. It photo degrades rapidly in the environment and is metabolised in the soil.</p> <p>Persistence and biodegradability: Aquatic and terrestrial studies confirm the rapid degradation of Ivermectin in the environment and its lack of accumulation and persistence. Bioaccumulative potential: Ivermectin⁷ does not bioconcentrate in fish and is not taken up from soil into plants.</p> <p>Other harmful effects: Ivermectin active substance is very toxic to certain aquatic species.</p>	LC ₅₀ of ivermectin Daphnia Magna. 48hrs.	0.025ppb	LC ₅₀ of ivermectin Rainbow Trout. 96hrs.	3.0 ppb	LC ₅₀ of ivermectin Bluegill Sunfish. 96hrs.	9.6 ppb
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13. Disposal Considerations	15. Regulatory Information
<p>Product: Contact your local office of the Environment Agency or a licensed waste disposal contractor for advice on disposal of unused material, spillage or waste contaminated with this product.</p> <p>Containers: Dispose of via an authorised disposal contractor.</p>	<p>Legal Categories: Available from licensed merchants Bimectin Horse Paste is used for the treatment and control of roundworms, lungworms and bots of horses.</p>
14. Transport Information	16. Other Information
<p>Special Transport Precautions: None</p> <p>Packaging (Size & Description): Polyethylene syringe</p> <p>Transport Classification: Not subject to ADR provisions.</p> <p>Substance ID No: Not subject to ADR provisions.</p> <p>Proper Shipping Name: Not subject to ADR provisions.</p> <p>ICAO/IATA/IMDG Class: Not subject to ADR provisions.</p> <p>Subsidiary Risk: Not subject to ADR provisions.</p> <p>Packing Group: Not subject to ADR provisions.</p> <p>ADR Class: Not subject to ADR provisions.</p> <p>Transport Hazard Symbol: Not subject to ADR provisions.</p> <p>Emergency Action Code: Not subject to ADR provisions. Other:</p>	<p>R - Safety Phrases: None</p> <p>S - Safety Phrases:</p> <p>S2 - Keep out of reach and sight of children.</p> <p>S20 - Do not eat or drink when using</p> <p>S37 - Wear suitable gloves.</p> <hr/> <p>Training Instructions: Not Applicable</p> <hr/> <p>Revisions to the safety data sheet:</p> <p>Issue 1: Prepared March 2003 to comply with 1991/155/EEC</p> <p>Issue 2: Prepared February 2008, to comply with 2001/58/EEC</p>
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