

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	Parade Equine Gel
Product code:	A9029
Recommended use:	For the treatment and control of roundworms, tapeworm and bots in horses.
Company details:	Merial Ancare
Address:	Level 3, Merial Building Osterley Way Manukau City New Zealand
Telephone number:	Phone: +64 9 980 1600 Fax: +64 9 980 1601
Emergency telephone number:	Merial Ancare Freephone: 0800 800 822 National Poisons Centre : 0800 764 766 (0800 POISON) Fire Service, Ambulance : Dial 111
Date of preparation:	18 April 2006

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	White or yellowish gel	
Product components:		
<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Ivermectin	70288-86-7	8.0 g/kg
Praziquantel	55268-74-1	100.0 g/kg
Oils, anise	8007-70-3	2.0 g/kg
Benzenemethanol	100-51-6	100.0 g/kg
Other		To 1 kg

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications:	6.1D, 6.4A, 6.5B, 6.8C, 9.1A, 9.2C, 9.3C, 9.4A
Priority and secondary identifiers:	WARNING KEEP OUT OF REACH OF CHILDREN WARNING Dangerous to the environment
Risk and safety phrases:	May be harmful if swallowed. Wash hands and exposed skin before meals and after use. May cause eye irritation. Avoid contact with eyes. Repeated exposure may cause skin allergy. Avoid skin contact. Ivermectin possibly may have effects on or via lactation. Handle with care. Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Harmful to the soil environment. Avoid release to the environment. Harmful to terrestrial vertebrates. Avoid release to the environment. Very toxic to terrestrial invertebrates. Avoid release to the environment.

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately. INGESTION: If swallowed seek medical attention. Do NOT induce vomiting. EYES: If splashed in eyes wash out immediately and thoroughly
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Workplace facilities:	with water.
Required instructions:	SKIN: If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water. INHALATION: Remove to fresh air. No special facilities required.
Notes for medical personnel:	Observe good work practices and avoid skin and eye contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing, and before each reuse. Apply symptomatic therapy (no specific antidote). Note the nature of the product.

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Non flammable, Non combustible, Non explosive
Fire hazard properties:	Parade Equine Gel is not classified as flammable, and will not support combustion. Hazardous fumes when heated to decomposition.
Regulatory requirements:	Not applicable
Extinguishing media and methods:	Treat the fire as for the other materials present. Do not allow water to enter drains.
Hazchem code:	2X
Recommended protective clothing:	When fighting a major fire wear full protective clothing including breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Wear suitable protective clothing. Restrict access to contaminated area. Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.
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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Calculate dose and administer. Handle with care.
Regulatory requirements:	N/A
Handling practices:	N/A
Approved handlers:	Not required
Conditions for safe storage:	Store below 30°C away from light. Keep out of reach of children.
Store site requirements:	This substance is subject to a requirement for an emergency management plan, containment and signage, whenever it is held in quantities of 100L or more. See Hazardous Substances (Emergency management) regulations 25 to 42.
Packaging:	Packaging Schedule 3 (UN Packing Group III) for quantities >5L (Hazardous Substances Packaging Regulations 2001).

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards:	Dusts 10mg/m ³
Application in the workplace:	Prevent exposure by using engineering controls, personal protective

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Exposure standards outside the workplace:

equipment and work practices that prevent skin contact.

Engineering controls:

TEL: Praziquantel, Skin surface deposition 2.83 mg/m² surface area

Personal protection:

Ensure that ventilation maintains dust levels below WES.
Clothing should consist of overalls with long sleeves, including eye protection (eg. Goggles or face shield).

References:

N/A.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data:

Appearance: White or yellowish gel

Solubility in water: Ivermectin is insoluble in water

Specific gravity: ~ 1g/mL

Required specifications:

N/A

Further specifications:

N/A

Specific advice:

N/A

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:

Stable under normal conditions of use and storage.

Conditions to avoid:

No specific conditions to avoid.

Material to avoid:

No specific materials to avoid.

Hazardous decomposition products:

No hazardous products are expected, except when heated to decomposition.

Hazardous polymerization:

Components are not expected to form hazardous polymers.

Specific data:

N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation:

May be harmful if swallowed.
May cause eye irritation.
Repeated exposure may cause skin allergy.
Ivermectin possibly may have effects on or via lactation.
Danger of serious damage to health by prolonged exposure if swallowed.
Abamectin and Glycerol formal possibly may affect development and/or reproduction.

Effects of Acute Exposure:

Abamectin possibly may have effects on or via lactation
Ivermectin: Ivermectin (a macrocyclic lactone class endectocide) is an acute oral toxin [LD₅₀ (oral, mouse) 11.6mg/kg; LD₅₀ (oral, dog) >10 mg/kg; LD₅₀ (dermal, rabbit) ~406 mg/kg]. Clinical signs in repeated dose laboratory animal studies included ataxia, tremors, mydriasis, emesis and coma. High doses produced respiratory failure and deaths. Neonates were affected via milk (neurotoxicity and reduced body weights, LOAEL 0.4mg/kg/d). Foetal malformations were observed at doses that caused maternal toxicity. Ivermectin is widely used in humans for the treatment of onchocerciasis at single doses of 0.2 mg/kg and adverse effects are usually mild and transient.
Praziquantel: Praziquantel has low toxicity and is generally well tolerated [LD₅₀ (oral, rabbit) 1050 mg/kg].
Benzenemethanol: An organic alcohol that is used as a preservative [LD₅₀ (oral, rabbit) 1050mg/kg; LD₅₀ (dermal, rabbit) 2000mg/kg]. It is a known skin sensitiser (contact dermatitis) and a moderate eye irritant.
Oils, anise: May be irritating to skin and eyes. Acute oral toxin [LD₅₀ (oral, rat) 2250mg/kg] and a weak sensitiser (contact dermatitis).

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SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:	Very toxic to aquatic organisms.
Data organisation :	N/A
Environmental risk and safety phrases:	Harmful to the soil environment. Harmful to terrestrial vertebrates. Very toxic to terrestrial invertebrates. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ivermectin 0.8%)

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information :	<p><u>Product Disposal:</u> To avoid disposal all attempts should be made to utilise the product completely in accordance with its registered use. Prevent the product from entering natural water sources.</p> <p><u>Container Disposal:</u> Wrap packaging in paper and place in the garbage. Avoid contamination of any water source. Do NOT use container for any other use.</p>
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SECTION 14: TRANSPORT INFORMATION

Relevant information:	Dangerous Goods for transport. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ivermectin 0.8%) UN Number: 3082 Dangerous Goods Class: 9
Other requirements:	The maximum quantity per package of this substance allowed for carriage on public transport is 1L. N/A

SECTION 15: REGULATORY INFORMATION

Regulatory status:	Registered pursuant to the ACVM Act 1997, No. A9029. See www.nzfsa.govt.nz/acvm for registration conditions.
	Approved pursuant to the HSNO Act, Approval Code HSR001893 See www.ermanz.govt.nz for approval conditions
HSNO and ACVM controls:	SDS is required for quantities greater than or equal to 1L Refer to Section 3
List exposure limits:	N/A

SECTION 16: OTHER INFORMATION

Additional information:	For product information visit the Merial website www.merial.co.nz While the information set forth is believed to be accurate as of the date hereof, MERIAL NZ LTD. makes no warranty with respect hereto and disclaims all liability from reliance thereon.
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