

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER**

<b>Product name:</b>	<b>IVOMEK EPRINEX Pour-On for Cattle &amp; Deer</b>
<b>Product code:</b>	A007191
<b>Recommended use:</b>	For the treatment and control of major internal and external parasites of cattle, and internal parasites of deer.
<b>Company details:</b>	Boehringer Ingelheim Animal Health New Zealand Limited
<b>Address:</b>	Level 3, Boehringer Ingelheim Building 2 Osterley Way Manukau City Auckland 2104 New Zealand
<b>Telephone number:</b>	Phone: +64 9 263 1400
<b>Emergency telephone numbers:</b>	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
<b>Date of issue:</b>	13 September 2007
<b>Date of review:</b>	5 February 2020

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical characterization:</b>	Avermectin in liquid form	
<b>Product components:</b>		
<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
Eprinomectin	133305-88-1 / 133305-89-2	0.5%
Non-hazardous inert ingredients		99.5%

**SECTION 3: HAZARDS IDENTIFICATION**

<b>Hazard classifications:</b>	6.8B, 9.1A, 9.2C, 9.3C, 9.4A
<b>Priority and secondary identifiers:</b>	<b>Ecotoxic</b>
<b>Risk and safety phrases:</b>	Harmful – may cause developmental damage to the unborn child from repeated oral exposure. Keep out of reach of children. Do not handle until all safety precautions have been read and understood.  Ecotoxic – Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.  Harmful to the soil environment.  Harmful to terrestrial vertebrates  Very toxic to terrestrial invertebrates. Apply only as directed

**SECTION 4: FIRST AID MEASURES**

<b>Necessary first aid measures:</b>	<b>Contact the National Poisons Information Centre for further information: phone 0800 POISON (764 766)</b>  <u>Eye Contact:</u> Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation occurs or persists.  <u>Skin Contact:</u> Wash thoroughly with plenty of soap and water after handling. Get medical attention if irritation occurs.  <u>Inhalation:</u> If breathing is difficult, give oxygen. If not breathing,
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artificial respiration. If symptoms appear, get medical attention.

Ingestion: Get immediate medical attention if ingested. DO NOT induce vomiting.

**Workplace facilities:**

N/A

**Required instructions**

N/A

**Notes for medical personnel:**

Toxicity following accidental ingestion can be minimized by inducing vomiting within one half hour of exposure. Since eprinomectin is believed to produce effects that mimic enhancement of GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbituates, benzodiazepines, valproic acid) in patients with potentially toxic eprinomectin exposure.

## SECTION 5: FIRE FIGHTING MEASURES

**Type of hazard:**

N/A

**Fire hazard properties:**

Flash Point: 220 °C (428 °F)

Oxides of nitrogen, sulphur, carbon monoxide and carbon dioxide may be released in a fire.

**Regulatory requirements:**

N/A

**Extinguishing media and methods:**

Carbon dioxide, foam or dry chemical.

**Hazchem code:**

2X

**Recommended protective clothing:**

Emergency personnel involved in spill cleanup should wear full protective clothing (cap, waterproof coveralls and jacket, and rubber boots). Wear goggles and impervious rubber gloves (neoprene/nitrile/polyvinyl chloride) when handling spilled material.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Emergency procedures:**

Eprinomectin is very toxic to certain aquatic species. Avoid contact of spilled material with soil. Do not allow any water potentially contaminated with eprinomectin including storm water, run off from spills and fire fighting activities and contaminated wastewater to enter any waterway, drain or sewer.

If emergency personnel are unavailable, absorb small spills on vermiculite or other suitable absorbing material and place in a sealed container for disposal. Dike large spills and transfer to an appropriate container for disposal.

Incinerate all spill materials and residues at temperatures greater than 600 °C.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:**

Keep this and all chemicals out of reach of children.

**Regulatory requirements:**

N/A

**Handling practices:**

N/A

**Approved handlers:**

Not required.

**Conditions for safe storage:**

Keep this and all chemicals out of reach of children.

Store bottle in carton to protect from light. Avoid prolonged storage above 40 °C (104 °F).

**Store site requirements:**

Stores containing equal to or more than 100 L of IVOMEK EPRINEX Pour-On for Cattle & Deer require bunding and are subject to signage. See the Hazardous Substances Emergency Management Regulations



	<p><u>Skin Contact</u>: Both vehicle and formulation were mildly irritating in a 1 month dermal study in miniswine. The formulation and active ingredient were negative in guinea pig skin sensitization assays.</p> <p><u>Inhalation</u>: No data available for the formulation or the active.</p> <p><u>Ingestion</u>: The formulation was practically non toxic orally in mice (LD50 is greater than 5 g/kg). Eprinomectin was toxic by ingestion to mice and rats (LD50 is 55-70 mg/kg). Signs of toxicity included ataxia, tremors and death.</p>
<b>Effects of Chronic Exposure:</b>	<p>No data is available for the formulation.</p> <p>Eprinomectin is a second generation avermectin used as an anti-parasitic agent in cattle and deer. It inhibits transmission of nerve impulses in susceptible parasites, thereby causing paralysis and death.</p> <p>In a 1 month dermal study in miniswine, both the vehicle and formulation were mildly irritating to the application site. No signs or histologic evidence of neurotoxicity were observed.</p> <p>Eprinomectin was negative in a battery of genotoxicity assays.</p>
<b>Carcinogen Designation:</b>	<p>Not listed as carcinogen by OSHA, NTA, or IARC. Carcinogenicity studies have not been conducted with eprinomectin.</p>

## SECTION 12: ENVIRONMENTAL INFORMATION

<b>Potential environmental interactions:</b>	<p>Avermectins are very toxic to certain aquatic organisms. Contain all runoff water. See accidental release measures section. All personnel and equipment should be decontaminated at the site.</p> <p>Studies indicate that when eprinomectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive</p>
<b>Data organisation :</b>	N/A
<b>Environmental risk and safety phrases:</b>	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (eprinomectin) Marine pollutant.</p>

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal information :</b>	<p>Dispose of this product only by using in accordance with the label or at an approved landfill. Do NOT reuse container for any other purpose. Ensure container is completely empty. Recycle or burn if circumstances, especially wind direction and local authority bylaws permit. Otherwise bury in a suitable landfill.</p>
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## SECTION 14: TRANSPORT INFORMATION

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

## SECTION 15: REGULATORY INFORMATION

<b>Regulatory status:</b>	<p>Registered pursuant to the ACVM Act 1997, No. A007191. See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR001954.</p>
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<b>HSNO and ACVM controls:</b>	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval conditions. Refer to Section 3
<b>List exposure limits:</b>	N/A

**SECTION 16: OTHER INFORMATION**

<b>Additional information:</b>	For product information visit the Boehringer Ingelheim website <a href="http://www.boehringer-ingelheim.co.nz">www.boehringer-ingelheim.co.nz</a> While the information set forth is believed to be accurate as of the date hereof, BOEHRINGER INGELHEIM makes no warranty with respect hereto and disclaims all liability from reliance thereon.
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