



# SAFETY DATA SHEET

Vetmed Corporation Limited  
PO Box 217234  
Botany Junction  
Auckland  
Phone: +64 9 274 8848  
Fax: +64 9 274 8842  
This SDS consists of 16 sections.

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Effective Date: 11/05/11

## Moxidectin Pour-On

### Section 1: Identification of the Substance

Product Name	Moxidectin Pour-On
Use	A topical ectoparasiticide and endoparasiticide for the treatment and control of a wide range of internal and external parasites in cattle, and for the treatment and control of lungworm and roundworms in deer.
Company Details	Nexan Corporation Limited PO Box 217234 Botany Junction Auckland Phone: +64 9 274 8848 Fax: +64 9 274 8842
Emergency Phone Number	National Poisons Centre: 0800 764 766 (0800 POISON)

### Section 2: Hazardous Identification

Hazard classifications	6.3B, 6.8B, 6.8C, 9.1A, 9.2C, 9.4B
Priority identifiers	KEEP OUT OF REACH OF CHILDREN DANGEROUS TO THE ENVIRONMENT
Secondary identifiers	6.3B May cause mild skin irritation. Avoid skin contact. 6.8B Suspected of damaging fertility or the unborn child from repeated oral exposure. 6.8C May cause harm to breast-fed children from repeated oral exposure. 9.1A Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. 9.2C Harmful to the soil environment. 9.4B Toxic to terrestrial invertebrates.

### Section 3: Composition

<u>Ingredient</u>	<u>CAS Number</u>	<u>Content g/L</u>
Moxidectin	113507-06-5	5
Other		Up to 1L



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### Section 4: First Aid

For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately.

INGESTION

If swallowed do NOT induce vomiting. Seek medical attention.

EYES

If splashed in eyes wash out immediately with water.

SKIN

If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water.

INHALATION

Remove to fresh air. If persists, seek medical advice.

Workplace facilities

No special facilities required.

Hygiene practices

Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash contaminated clothing and other protective equipment before storing or reusing.

Notes for medical personnel

No specific antidote. If poisoning is suspected apply symptomatic therapy.

### Section 5: Fire Fighting

Type of hazard

This product is non-flammable and non-explosive.

Fire hazard properties

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is combustible. Fire decomposition products may be hazardous if inhaled. Do not allow fire water to enter waterways.

Regulatory requirements

Not applicable.

Extinguishing media and methods

Extinguish using carbon dioxide, water fog, dry chemical, foam.

Hazchem code

2X

Recommended protective clothing

When fighting a major fire wear full protective clothing.  
Wear breathing apparatus.



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### Section 6: Accidental Release

#### Emergency procedures

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways

Procedure for spill:

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Reposition any leaking containers so as to minimise further leakage.
- (4) Dam and absorb spill with an absorbent material (e.g. sand or soil).
- (5) Shovel the absorbed spill into drums.
- (6) Material may be suitable for disposal in an approved landfill.
- (7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

### Section 7: Handling and Storage

#### Precautions for safe handling

Apply with well-maintained and calibrated equipment. Handle with care.

#### Approved handlers

Not required

#### Conditions for safe storage. Packaging

Store below 30°C in original container, tightly closed, in cool, dry conditions.  
Store away from foodstuffs. Keep out of reach of children.

#### Store site requirements

Packaging Schedule 3 (UN Packing group III) for quantities >5L. (Hazardous Substances Packaging Regulations 2001).

A requirement for an emergency management plan, secondary containment and signage is applicable when quantities of 100 L or more are stored.

### Section 8: Exposure / Personal Protective Equipment

#### Workplace exposure standards. Application in the workplace

None set

#### Exposure standards outside the workplace

None set

#### Engineering controls

No special requirements

#### Personal protection

When opening the container and using the product wear protective clothing including impermeable gloves and eye protection, to avoid skin and eye contact.

### Section 9: Physical and Chemical Properties



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## Moxidectin Pour-On

Formulation type	Oily solution
Appearance	Clear liquid
Viscosity	No data
Specific gravity	0.91 – 0.93 @ 20°C
Behaviour in water	Insoluble

### Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions of use and storage.
Conditions to avoid	Store as recommended. No specific conditions to avoid.
Material to avoid	No specific materials to avoid.
Hazardous decomposition products	Not applicable. This product is unlikely to spontaneously decompose.
Hazardous polymerisation	Not applicable. This product is unlikely to spontaneously polymerise.

### Section 11: Toxicological Information

Moxidectin Pour-On	May cause mild skin irritation. Avoid skin contact. Suspected of damaging fertility or the unborn child from repeated oral exposure. May cause harm to breast-fed children from repeated oral exposure.
Ingredients	Moxidectin is a macrocyclic lactone, structurally similar to ivermectin, abamectin and milbemycin. Moxidectin is an acute oral toxin with nervous system effects [LD50 (oral, mice) 42 mg/kg, LD50 (dermal) is >2000 mg/kg]. Only mild signs of skin irritation were seen (rabbit, exposure for up to 72 hrs). Moderate eye irritation was noted (rabbit), but signs resolved 48-72 hrs after treatment.



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## Moxidectin Pour-On

### Section 12: Environmental Information

Moxidectin Pour-On

Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Harmful to the soil environment. Toxic to terrestrial invertebrates.

Ingredients

Moxidectin is very toxic to aquatic life [Bluegill sunfish LC50 (96 hrs) 0.62 ppb; Rainbow trout LC50 (96 hrs) 0.16 ppb; Daphnia magna EC50 (48 hrs) 30 ppt; bioaccumulative] and soil life [Dung beetle EC50's are 2.5677 mg/kg; 0.4693 mg/kg & 0.134 mg/kg. Soil DT50 > 30 days]. Moxidectin is also very toxic to terrestrial vertebrates [LD50 (mice) = 42 mg/kg] and bees [LD50 (oral) = 0.46 ug/bee; LD50 (contact) 0.025 ug/bee].

### Section 13: Disposal

Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Crush and bury in a suitable landfill. Do not burn. Do NOT use container for any other purpose.

### Section 14: Transport

The maximum quantity per package of this substance allowed for carriage on public transport is 10L.

UN Number

3082

Dangerous goods class

9

Packing Group

III

Proper Shipping Name

Environmentally hazardous substance, liquid, N.O.S. (Moxidectin 0.5 %)

### Section 15: Regulatory

Registered pursuant to the ACVM Act 1997, No. AXXXXXX  
See [www.nzfsa.govt.nz/acvm](http://www.nzfsa.govt.nz/acvm) for registration conditions

ERMA Approval Code: HSR001850

### Section 16: Other Information

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.