



Product Name: ZOLVIX[®] Broad Spectrum Oral Anthelmintic for Sheep

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Date of issue: August 2010

MATERIAL SAFETY DATA SHEET

Section 1 - Identification of Chemical Product and Company

COMPANY DETAILS:

Novartis Animal Health Australasia Pty Limited
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Product Name: ZOLVIX[®] Broad Spectrum Oral Anthelmintic for Sheep
Active Ingredient: Monepantel (25mg/mL)
NAH substance code: A-20072 B
Product Use: Veterinary Product / Anthelmintic
Issue Date: July 2010

Section 2 Hazards Identification

Hazard classification: Hazardous substance as per (NOHSC, 2004)
Risk Phrases: R43 May cause sensitisation by skin contact
R38 Irritating to skin
Safety directions: Avoid contact with skin and eyes. When using the product wear elbow length chemical resistant gloves.
SUSDP Classification: Schedule 5
UN Number: None Allocated

Section 3 Composition / Information on Ingredients

Ingredients	CAS No.	Content (%w/v)
Monepantel	[887148-69-8]	2.5
Other ingredients determined not to be hazardous	-	up to 100

Section 4 First Aid Measures

Label regulated First Aid Statement: If poisoning occurs, contact a doctor, or Poisons Information Centre (Phone 131126).

Scheduled poisons : Product is a S5 scheduled poison.

Swallowed: If swallowed contact a doctor, or Poisons Information Centre (Phone 131126). Do not induce vomiting.

Skin Contact: If product on skin, immediately wash area with soap and water. Remove contaminated clothing and wash affected area thoroughly with soap and water.

Eye contact: Product may irritate eyes. If product is in eyes flush with large amounts of clean tap water for at least 15 minutes.

Advice to doctor: No specific antidote is known. Treat symptomatically.

MATERIAL SAFETY DATA SHEET**Section 5 Fire Fighting Measures**

Fire and explosion hazards:	This product is combustible.
Extinguishing Media:	Use dry powder, foam, carbon dioxide (CO ₂) or water spray (do not use water jet).
Fire Fighting:	Combustion products are toxic and/or irritant. Wear respiratory protection. Contain fire-fighting water and do not allow fire water to enter drains.

Section 6 Accidental Release Measures

Accidental Release:	In case of spillage it is important to take all steps necessary to: Avoid eye and skin contact and avoid contamination of waterways <i>Procedure for spill</i> Keep all bystanders away. Wear full length clothing and elbow length chemical resistant gloves. Reposition any leaking containers so as to minimise further leakage. Dam and absorb spill with an absorbent material (e.g. sand or soil). Shovel the absorbed spill into specially marked, tightly closing containers. Spilled product cannot be used further and must be disposed of in accordance with local authorities. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not eat, drink or smoke during the clean-up operation.
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Section 7 Handling and Storage

Safe Handling:	May irritate the eyes. Will irritate the skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When using the product wear elbow length chemical resistant gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.
Storage:	Keep out of reach of children. Store below 30°C (Room temperature), in original containers away from direct sunlight. Use remaining product within 12 months of opening the container.

Section 8 Exposure Controls / Personal Protection

Eye protection:	No special eye protection is required under normal conditions of use.
Skin protection:	Avoid contact with skin by wearing elbow length chemical resistant gloves when using the product.
General advice:	May irritate the eyes. Avoid contact with eyes. Wash hands after use.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid, clear solution
Colour:	Yellowish - orange
Flash point:	> 180 °C

MATERIAL SAFETY DATA SHEET**Section 10 - Stability and Reactivity**

Chemical Stability: Product is stable under normal conditions of use.

Section 11 – Toxicological Information**Acute Toxicity :**

Oral: Rat LD₅₀ > 2 000 mg/kg (derived from active ingredient).
Dermal: Rat LD₅₀ > 2 000 mg/kg (derived from active ingredient).
Local Effects: Irritation (Based on results in rabbits. Derived from active ingredient)
Eye: Non irritant
Skin: Non irritant
Sensitisation - (Based on results in mice. Derived from active ingredient)
Skin: Non-sensitiser
Chronic Toxicity: The active ingredients and finished product did not show mutagenic or teratogenic effects in animal experiments.

Section 12 - Ecological Information

Toxicity to fish: LC₅₀ ≥ 100 mg/l
Species : Rainbow trout
Exposure time: 96 h
Remarks : Derived from the active ingredient(s)

Toxicity to daphnia: LC₁₀₀ ≥ 100 mg/l
Species : Daphnia magna (water flea)
Exposure time: 48 h
Remarks: Derived from the active ingredient(s)

Toxicity to algae: EC₅₀ ≥ 100 mg/l
Species : Pseudokirchneriella subcapitata
Remarks : Derived from the active ingredient(s)

Section 13 - Disposal Considerations

After intended use: The container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate or any undiluted chemical according to State legislative requirements. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMuster* collection or similar container management program site. The cap should not be replaced but may be taken separately. **DO NOT** burn empty containers or product.

Section 14 - Transport Information

UN Number: None allocated
UN proper shipping name: None allocated
Class & Subsidiary Risk : None allocated



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Packaging Group: None allocated

Section 15 - Regulatory Information

Australia and New Zealand: Product approved by New Zealand regulatory bodies (ERMA NZ and ACVM) in 2009. Product registered with the Australian Pesticides and Veterinary Medicines Authority in 2010.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms

ACVM:	Agricultural Compounds and Veterinary Medicines
APVMA:	Australian Pesticides and Veterinary Medicines Authority
CAS Number:	Chemical Abstracts Service Registry Number
ERMA NZ:	Environmental Risk Management Authority of New Zealand
NOHSC	National Occupational Health and Safety Commission
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

Note:

This product is a registered veterinary chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

This Material 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 MSDS 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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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