



SAFETY DATA SHEET

Product Name: EXTENDER 100

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Reviewed on: 13 September 2007

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name: EXTENDER 100
Product code: A5910
Recommended use: A controlled release anthelmintic capsule for protection against internal parasites of sheep.
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: 13 September 2007

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Albendazole

Product components:

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Albendazole	54965-21-8	35%w/w
Ingredients determined not to be hazardous		65%w/w

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications: 6.1D, 6.5B, 6.6B, 6.8A, 6.9B, 9.3C
Priority and secondary identifiers: Harmful – Keep Out of Reach of Children
Ecotoxic
Risk and safety phrases: Harmful – may be harmful if swallowed, inhaled or absorbed through the skin.
Do not eat, drink or smoke while using. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using.
Warning – Repeated exposure may cause skin allergy. Avoid skin contact.
Harmful – suspected of causing heritable mutations/genetic defects
Toxic – may cause reproductive/development damage from repeated oral exposure
Harmful – May cause organ damage from repeated oral exposure at high dose
Harmful to terrestrial vertebrates. Apply only as directed.

SECTION 4: FIRST AID MEASURES

Necessary first aid measures: **Contact the National Poisons Information Centre for further information: 0800 POISON (0800 764 766)**
Eye Contact: Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
Skin Contact: Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Inhalation: Remove patient to fresh air. Lie down and keep warm and

	<p>rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.</p> <p><u>Ingestion:</u> Never give anything by mouth to an unconscious person. Check that the airway passage is not being obstructed by a plastic capsule. Give 1-2 glasses of milk or water. Do NOT induce vomiting. Seek medical assistance immediately.</p> <p><u>Other First Aid:</u> For all routes of exposure, dilution is essential.</p>
Workplace facilities:	No specific workplace facilities required.
Required instructions:	N/A
Notes for medical personnel:	<p>Treat symptomatically.</p> <p>Note that the capsule has been designed to remain in the gut of animals and that the contents of the capsule have been specifically designed for slow release over a period of 100 days. The only immediate danger would appear to be from obstructions caused by the complete capsule or individual capsule components.</p>

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Will burn if involved in a fire but not considered to be a significant fire risk
Fire hazard properties:	<p>Hazardous thermal decomposition products may include sulphur oxides and nitrogen oxides.</p> <p>When heated to decomposition product emits toxic fumes of carbon monoxide, formaldehyde and acrolein.</p>
Regulatory requirements:	N/A
Extinguishing media and methods:	<p>Extinguish fires with foam, dry chemical or carbon dioxide. Cool sealed drums with water to prevent rupture due to thermal expansion.</p> <p>Contain run-off. Keep non-involved persons away.</p>
Hazchem code:	N/A
Recommended protective clothing:	Wear full protective clothing and breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Sweep into drums for disposal. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.
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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	N/A
Regulatory requirements:	N/A
Handling practices:	N/A
Approved handlers:	Not required
Conditions for safe storage:	<p>Store in original container in a cool, dry place away from direct heat or direct sunlight. Store away from foodstuffs, children and animals.</p> <p>Keep container sealed when not in use.</p>
Store site requirements:	N/A
Packaging:	N/A

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards:	Albendazole Permissible in-house exposure limit (PIEL) = 0.3mg/m
Application in the workplace:	N/A
Exposure standards outside the	N/A

workplace:	
Engineering controls:	No specific engineering controls needed.
Personal protection:	Avoid contact with contents of capsule. Wash thoroughly after handling and before eating, drinking or smoking.
References:	N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data:	<u>Appearance:</u> Ten white tablets contained in a plastic capsule. <u>Odour:</u> Nil odour
Required specifications:	N/A
Further specifications:	N/A
Specific advice:	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Avoid oxidising agents, but material is generally stable.
Conditions to avoid:	N/A
Material to avoid:	Oxidising agents
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur
Specific data:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation:	Low exposure risk in capsule form. Adverse effects may include abdominal pain, diarrhoea, nausea, vomiting and hair loss. NOTE: Pregnant females should not be exposed to dust and mist. Animal studies show teratogenic effects in rats and rabbits at doses of 10mg/kg/day albendazole during the first half of pregnancy.
Summaries data:	In a chronic study in rats given doses of 20mg/kg/day, albendazole produced slightly reduced leukocyte and neutrophil counts. In mice, degeneration of tubular epithelium of testes was observed following chronic dosing of 400mg/kg/day albendazole. Administration of doses of 10mg/kg/day albendazole for one month in humans receiving treatment for parasitic infestation has resulted in reversible abnormalities in liver function tests
Effect of Acute Exposure	<u>Eye Contact:</u> Low exposure risk in capsule form. Powder or granules may cause physical irritation. <u>Skin Contact:</u> Low exposure risk in capsule form. <u>Inhalation:</u> Low exposure risk in capsule form. <u>Ingestion:</u> Low exposure risk in capsule form. The capsule contents are moderately toxic by ingestion. Absorption of Albendazole is likely in the case of individual tablets being swallowed. May have no effect in acute exposure. However, may cause dizziness, headache, abdominal and epigastric pain, constipation, diarrhoea, nausea and vomiting. Pruritis and rash may occur. In animals, toxic doses are associated with anorexia and lethargy, pulmonary haemorrhage and oedema, hepatic and epicardial haemorrhage.
Effect of Chronic Exposure	Low exposure risk in capsule form.

SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:	Environmental impact information is not available. This product is not expected to be harmful.
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Data organisation :	N/A
Environmental risk and safety phrases:	N/A

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. Bury unusable product in an approved landfill.</p> <p><u>Container disposal:</u> Burn or bury in an approved landfill.</p>
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SECTION 14: TRANSPORT INFORMATION

Relevant information:	Tracking not required.
Other requirements:	N/A

SECTION 15: REGULATORY INFORMATION

Regulatory status:	Registered pursuant to the ACVM Act 1997, No A5910. See www.nzfsa.govt.nz/acvm for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR001942. See www.ermanz.govt.nz for approval conditions.
HSNO and ACVM controls:	Refer to Section 3
List exposure limits:	No exposure limits have been specifically assigned to this product. Albendazole Permissible in-house exposure limit (PIEL) = 0.3mg/m

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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