

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	EXTENDER SeCo & EXTENDER SeCo Junior
Product code:	A007905 and A007954 respectively
Recommended use:	A controlled release anthelmintic and mineral (Se, Co) capsule for sheep or lambs.
Company details:	Boehringer Ingelheim Animal Health New Zealand Limited
Address:	Level 3, Boehringer Ingelheim Building 2 Osterley Way Manukau City Auckland 2104 New Zealand
Telephone number:	Phone: +64 9 263 1400
Emergency telephone number:	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Date of issue:	13 September 2007
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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	Polypropylene capsule containing albendazole, cobalt and selenium tablets	
Product components:		
Name	CAS	Proportion
Albendazole	54965-21-8	36% w/w
Sodium selenate	13410-01-0	0.4% w/w
Cobalt sulphate heptahydrate	10124-43-3	4.4% w/w
Other	-	To 100%

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications:	6.1D, 6.3B, 6.5B, 6.6B, 6.7B, 6.8A, 6.9B, 9.1B, 9.2C, 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. Remove protective clothing and wash hands and face thoroughly before meals and after work. Warning – may cause mild skin irritation. Avoid skin contact. Warning – Repeated exposure may cause skin allergy. Avoid skin contact. Harmful – suspected of causing heritable mutations/genetic defects Harmful – suspected of causing cancer Toxic – may cause reproductive/development damage from repeated oral exposure Harmful – May cause organ damage from repeated oral exposure at high doses Toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Harmful to the soil environment. Apply only as directed. Harmful to terrestrial vertebrates. Apply only as directed. Avoid contact

with skin

SECTION 4: FIRST AID MEASURES**Necessary first aid measures:****For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.****Eye contact:** Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.**Skin Contact:** Flush body and clothes with 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 rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. Seek medical assistance immediately.**Ingestion:** 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.**Other First Aid:** For all routes of exposure, dilution is essential.**Workplace facilities:**

N/A

Required instructions:

N/A

Notes for medical personnel:

Treat symptomatically.

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.

SECTION 5: FIRE FIGHTING MEASURES**Type of hazard:**

Combustible. Will burn if involved in a fire but not considered to be a significant fire risk.

Fire hazard properties:

Hazardous thermal decomposition products may include sulphur oxides and nitrogen oxides.

When heated to decomposition product emits toxic fumes of carbon monoxide, formaldehyde and acrolein.

Regulatory requirements:

N/A

Extinguishing media and methods:

Extinguishing media: Use media appropriate to the underlying cause of the fire.

Hazchem code:

N/A

Recommended protective clothing:

Wear full protective clothing and self contained 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.

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:

Store in original container in a cool, dry place away from direct heat or

	direct sunlight. Store away from foodstuffs, children and animals. Keep container sealed when not in use.
Store site requirements:	N/A
Packaging:	N/A

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards:	No exposure limits have been specifically assigned to this product. Albendazole Permissible in-house exposure limit (PIEL) = 0.3 mg/m ³
Application in the workplace:	N/A
Exposure standards outside the workplace:	N/A
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> Eleven pale pink tablets contained in a plastic capsule. <u>Odour/Threshold:</u> Nil odour.
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.
Conditions to avoid:	N/A
Material to avoid:	Avoid oxidising agents, but material is generally stable.
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur
Specific data:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation:	<u>Albendazole</u> Acute oral LD ₅₀ (rat): 1320-2400 mg/kg
	<u>Sodium selenate</u> Acute oral LD ₅₀ (rat): 7 mg/kg
	<u>Cobalt sulphate</u> Acute oral LD ₅₀ (rat): 424 mg/kg
Summaries data:	N/A
Effects of Acute Exposure:	<u>Eye Contact:</u> Low exposure risk in capsule form. Powder or granules may cause physical irritation. Sodium selenate may cause conjunctivitis. <u>Skin Contact:</u> Low exposure risk in capsule form. Sodium selenate may cause eczema. Cobalt sulphate heptahydrate may cause allergic skin reactions. <u>Inhalation:</u> Low exposure risk in capsule form. Breathing sodium selenate dust will be irritating to nose and throat. Cobalt sulphate is a respiratory irritant. <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.

Other Health Effects: 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 10 mg/kg/day albendazole during the first half of pregnancy.

Effects of Chronic Exposure:

Low exposure risk in capsule form.

In a chronic study in rats given doses of 20 mg/kg/day, albendazole produced slightly reduced leukocyte and neutrophil counts. In mice, degeneration of tubular epithelium of testes was observed following chronic dosing of 400 mg/kg/day albendazole. Administration of doses of 10 mg/kg/day albendazole for one month in humans receiving treatment for parasitic infestation has resulted in reversible abnormalities in liver function tests.

SECTION 12: ENVIRONMENTAL INFORMATION**Potential environmental interactions:**

Environmental impact information is not available. This product is not expected to be harmful.

Data organisation :

N/A

Environmental risk and safety phrases:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Selenium)

SECTION 13: DISPOSAL CONSIDERATIONS**Disposal information :**

Product Disposal: 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.

Container Disposal: Bury or burn.

SECTION 14: TRANSPORT INFORMATION**Relevant information:**

Dangerous Goods for transport.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Selenium)

UN Number: UN 3077

Dangerous Goods Class: 9

Other requirements:

N/A

SECTION 15: REGULATORY INFORMATION**Regulatory status:**

Registered pursuant to the ACVM Act 1997, No. A007905 and A007954. See www.foodsaftey.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval Code HSR001904. See www.epa.govt.nz for approval conditions.

HSNO and ACVM controls:

Refer to Section 3

List exposure limits:

N/A

SECTION 16: OTHER INFORMATION**Additional information:**

For product information visit the Boehringer Ingelheim website www.boehringer-ingelheim.co.nz

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