

**SAFETY DATA SHEET****A18208/04/AUS****BAY-O-PET DRONTAL ALLWORMER CHEWABLE FOR DOGS****SECTION 1 – IDENTIFICATION, CONTACTS**

Bayer Australia Ltd  
875 Pacific Highway  
Pymble NSW 2073

**Emergency Telephone Number**

1800 033 111

24 hour Emergency Service Australia Wide, Toll Free

**Contact Point (for non-emergency calls)**

Animal Health Division

**Telephone Number:** (02) 9391-6000

Product Name	<b>Bay-O-Pet Drontal Allwormer Chewable for Dogs</b>
Product Use	Palatable, all purpose intestinal wormer for dogs.
Other Names	Praziquantel, Pyrantel embonate, Febantel
Creation Date	31 <sup>st</sup> August 2005
Revision Date	21 June 2013 (SDS is current for 5 years from this date)

**SECTION 2 – HAZARDS IDENTIFICATION**

Hazard Classification	HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS according to criteria of NOHSC Australia and ADG Code.
Risk Phrases	Harmful if swallowed. May cause sensitisation by inhalation and skin contact.
Safety Phrases	None  <b>RISK &amp; SAFETY PHRASES ARE NOT REQUIRED ON PACKAGES INTENDED FOR END USERS. APPROPRIATE SAFETY DIRECTIONS AND FIRST AID STATEMENTS ARE SHOWN ON THE PRODUCT LABEL.</b>

<b>SECTION 3 – COMPOSITION</b>		
<b>Ingredients</b>	<b>CAS No</b>	<b>Proportion</b>
Praziquantel*	55268-74-1	2.2% (50 mg/chew)
Pyrantel embonate**	22204-24-6	6.3% (144 mg/chew)
Febantel***	58306-30-2	10.9% (250 mg/chew)
Other ingredients determined not to be hazardous	-	80.6% (1854 mg/chew)
<p>*Praziquantel is 2-(cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydro-4H-pyrazino- 2,1-a isoquinoline-4-one.</p> <p>**Pyrantel embonate is E)1,4,5,6-tetrahydro-1-methyl-2- (E)-2-(2-thienyl)-vinyl - pyrimidine-4,4'-methylenebis(3-hydroxy-2-naphthoate).</p> <p>***Febantel is N-(2-methoxyacetamide-4-phenylthio)-N'N''-bis-methoxycarbonyl-guanidine.</p>		

<b>SECTION 4 – FIRST AID MEASURES</b>	
Label Regulated First Aid Statement	None
General	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately.
Scheduled Poisons	Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons. Phone 131126.
Inhalation	Inhalation of this product will not occur.
Skin contact	Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.
Eye contact	Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists.
Ingestion	If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.
Advice to doctor	Poisoning with this product is unlikely. If poisoning occurs, apply basic aid and decontamination procedures. Treat symptomatically.

**SECTION 5 – FIRE FIGHTING MEASURES**

Extinguishing Media	Sprayed water jet, foam, dry powder, CO <sub>2</sub> , sand
Fire and Explosion Hazards	Non combustible material. Outer packaging may burn.
Hazardous Combustion Products	Thermal decomposition products include hydrogen cyanide, carbon monoxide, sulphur dioxide, and nitrogen oxides.
Fire Fighting	<p>Fight fire in the early stages if safe to do so. Wear respiratory protection.</p> <p>In well ventilated areas wear full face mask with a combination filter. (Offers no protection from carbon monoxide)</p> <p>In enclosed premises: respirator with independent air supply.</p> <p>Contain firefighting water.</p>

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Accidental Release	<p>Use any personal protective equipment listed in Chapter 8.</p> <p>Due to the nature of the packaging, open spillage of the product is highly unlikely. Spilled packs should be shovelled up and placed in sealed containers for disposal. Do not empty into drains.</p> <p>If there is open spillage avoid breathing any dust and contact with the skin. On completion of clean up, scrub area with detergent and water and rinse with water.</p> <p>Do not eat, drink or smoke during clean-up operation.</p>
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**SECTION 7 – HANDLING AND STORAGE**

Safe Handling	No specific recommendations. Suitable container materials: high density polyethylene (HDPE), low density polyethylene (LDPE).
Storage	<p>Keep out of reach of children.</p> <p>Store away from food, drink or animal feeding stuffs.</p> <p>To maintain product quality, store below 30°C.</p> <p>Keep away from heat or moisture.</p>

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Exposure Limits	No exposure allocated for praziquantel, pyrantel embonate, or febantel.  No exposure allocated for other ingredients.
Ventilation	No ventilation is required under normal conditions of use.
Eye Protection	No eye protection is required under normal conditions of use. Under other conditions of use wear safety goggles.
Skin Protection	No skin protection is required under normal conditions of use. Under other conditions of use wear rubber gloves. Wash hands after use.
Respirator	No respirator is required under normal conditions of use.
Protective Material Types	Rubber, latex.
General Advice	None

**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

Physical State	Chews in blister packs (total chew weight 2.3g)
Colour	Brown
Odour	Odourless
Boiling Point	Not relevant
Solidifying Range	Not relevant
Density	Not relevant
Vapour Pressure	Not relevant
Viscosity	Not relevant
Solubility in Water	Insoluble, disintegrates, suspensible
pH	Neutral in suspension
Flash Point	Not relevant
Ignition Temperature	Not relevant
Explosive Limits	Not relevant
Other Information	No other information.

**SECTION 10 – STABILITY & REACTIVITY**

Chemical Stability	Product is stable. No hazardous reactions.
Conditions to Avoid	Avoid strong oxidising agents.
Incompatible Materials	None
Hazardous Decomposition	Thermal decomposition products include hydrogen cyanide, carbon monoxide, sulphur dioxide, and nitrogen oxides.
Hazardous Reactions	Will not polymerise.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Acute Toxicity	<p>Oral LD<sub>50</sub> (rat) &gt;2000 mg/kg</p> <p>Oral LD<sub>50</sub> (mouse) &gt;2000 mg/kg</p> <p>Dermal LD<sub>50</sub> (rat) &gt;2000 mg/kg</p>
Local Effects	<p>Eye: non-irritant to the eye.</p> <p>Skin: non-irritant to the skin. Non-sensitising to the skin.</p> <p>Risks for the active ingredients pyrantel embonate and febantel were not taken into account in the classification and labelling of the preparation because no risk is expected owing to the product's form (tablet).</p>
Reproductive Effects	<p>Febantel has shown teratogenic effects in rats and rabbits at extreme dosages which also produce maternal toxicity.</p> <p>None of the other ingredients of the formulation have been shown to produce reproductive or teratogenic effects.</p>
Mutagenicity	None of the ingredients of the formulation have been shown to produce mutagenic effects.
Carcinogenic Effects	None of the ingredients of the formulation have been shown to produce carcinogenic effects.

**SECTION 12 – ECOLOGICAL INFORMATION**

Octanol/Water Partition Co-efficient	K <sub>ow</sub> logP = 3.2 (febantel)
Ecotoxicity	<p>Following data all for febantel.</p> <p><u>Fish</u></p> <p>LC<sub>0</sub> (96h) &gt;10,000 mg/L Zebra barbel (<i>Brachydanio rerio</i>)</p> <p><u>Bacteria</u></p> <p>EC<sub>50</sub> &gt;10,000 mg/L Activated sludge</p> <p>Following data all for praziquantel.</p> <p><u>Fish</u></p> <p>LC<sub>0</sub> (96h) 31.6 mg/L Zebra barbel (<i>Brachydanio rerio</i>)</p> <p>LC<sub>100</sub> (96h) 100 mg/L Zebra barbel (<i>Brachydanio rerio</i>)</p> <p>LC<sub>0</sub> (96h) &gt;10 mg/L <i>Lepomis macrochirus</i></p> <p><u>Daphnia</u></p> <p>EC<sub>0</sub> (48h) 35 mg/L Water flea (<i>Daphnia magna</i>)</p> <p>EC<sub>100</sub> (48h) 35 mg/L Water flea (<i>Daphnia magna</i>)</p> <p><u>Bacteria</u></p> <p>EC<sub>50</sub> &gt;10,000 mg/L Activated sludge</p>

**SECTION 13 – DISPOSAL INFORMATION**

After Intended Use	Dispose of used packaging by wrapping in paper and placing in garbage.
After spill or accident	Dispose of sealed containers at an approved local waste disposal site.

**SECTION 14 – TRANSPORT INFORMATION**

UN No	Not classified
UN Proper Shipping Name	Not classified
Class & Subsidiary Risk	Not classified
Packaging Group	Not classified
Hazchem Code	Not classified

**SECTION 15 – REGULATORY INFORMATION**

Poisons Schedule	Not scheduled
APVMA Registration	The product is registered by the APVMA.
Registration Number	59292
Labelling	All necessary directions, precautions and warnings for normal use of the product are included on the product label.

**SECTION 16 – OTHER INFORMATION**

Summary of Changes  
from Last Edition

Routine Review and Update.

Acronyms

**ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail

**APVMA** Australian Pesticides and Veterinary Medicines Authority

**CAS** Chemical Abstracts Service Registry Number

**HDPE** High density polyethylene

**LDPE** Low density polyethylene

**NOHSC** National Occupational Health & Safety Commission

**SUSDP** Standard for the Uniform Scheduling of Drugs and Poisons

**UN Number** United Nations number

Disclaimer

This Safety Data Sheet has been developed according to the NOHSC National Code of Practice for the Preparation of MSDS [NOHSC:2011(2003)].

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof.

The purpose of this Safety Data Sheet is to describe product in terms of their safety requirements.

Bayer Australia Limited make no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product").

The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use of the product.

The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and / or its packaging is in compliance with relevant Federal, State and Local Government regulations.

**END OF SDS**