



SAFETY DATA SHEET

A18115/01/AUS

DRONTAL ALLWORMER TABLETS

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 Names

This SDS is applicable to the following products:

Drontal Allwormer for Dogs

Drontal Allwormer for Large Dogs

Drontal Allwormer for Small Dogs and Puppies

Bay-O-Pet Drontal Allwormer for Medium Dogs

Bay-O-Pet Drontal Allwormer for Large Dogs

Bay-O-Pet Drontal Allwormer for Small Dogs and Puppies

Product Use

All purpose intestinal worming tablets for dogs.

Other Names

Praziquantel, Pyrantel pamoate, Febantel

Creation Date

New SDS

Revision Date

12 December 2016

SECTION 2 – HAZARD IDENTIFICATION

Hazard Classification	HAZARDOUS SUBSTANCE NOT CLASSIFIED AS DANGEROUS GOODS under the Australian Dangerous Goods Code, 7th Edition for transport by road and rail NOT CLASSIFIED AS DANGEROUS GOODS when transported by sea or air under limited quantities provisions.
GHS-Classification	Respiratory sensitisation, Category 1 Skin sensitization, Category 1 Reproductive toxicity, Category 1B Hazardous to the aquatic environment, Category 2
Signal Word	Danger
Hazard Statements	H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H360D May damage the unborn child. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	Prevention: P201 Obtain special instructions before use. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P280 Wear protective gloves. P281 Use personal protective equipment as required. Response: P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P308 + P313 IF exposed or concerned: Get medical advice/ attention.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous
Components****Febantel**Concentration [Weight percent] $\geq 30 - < 40$

CAS-No.: 58306-30-2

CAS name: Carbamic acid, [[2-[(methoxyacetyl)amino]-4-(phenylthio)phenyl]carbonimid oyl]bis-, dimethylester

GHS Classification:

Acute Tox. 4 H302

Repr. 1B H360D

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Pyrantel pamoateConcentration [Weight percent] $\geq 20 - < 25$

CAS-No.: 22204-24-6

CAS name: 2-Naphthalenecarboxylic acid, 4,4'-Methylenebis[3-Hydroxy-, Compd. with (E)-1,4,5,6-Tetrahydro-1-Methyl-2-[2-(2-Thienyl)Ethenyl]Pyrimidine

GHS Classification:

Resp. Sens. 1 H334

Skin Sens. 1 H317

Aquatic Chronic 3 H412

PraziquantelConcentration [Weight percent] $\geq 5 - < 10$

CAS-No.: 55268-74-1

CAS name: 4H-Pyrazino(2,1-a)isoquinolin-4-one, 2-(cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydro-

GHS Classification:

Aquatic Chronic 3 H412

Acute Tox. 4 H312

SECTION 4 – FIRST AID MEASURES**Inhalation**

Remove to fresh air. If symptoms persist, call a physician.

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

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 ₂ , 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	Fight fire in the early stages if safe to do so. Wear respiratory protection. In well ventilated areas wear full face mask with a combination filter. (Offers no protection from carbon monoxide). In enclosed premises: respirator with independent air supply. Contain fire-fighting water.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Accidental Release	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. 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. Do not eat, drink or smoke during clean-up operation.
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SECTION 7 – HANDLING AND STORAGE

Safe Handling	No specific recommendations.
Storage	Keep out of reach of children. Store away from food, drink or animal feeding stuffs. To maintain product quality, store below 30°C. Keep away from heat or moisture.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	No exposure allocated for praziquantel, pyrantel embonate, or febantel.
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.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State	Solid tablet
Colour	Pale yellow
Odour	Odourless
Boiling Point	Not relevant
Solidifying Range	Not relevant
Density	Not relevant
Vapour Pressure	Not relevant
Viscosity	Not relevant
Solubility in Water	Suspendable
pH	Neutral in suspension
Flash Point	Not relevant
Ignition Temperature	Not relevant
Explosive Limits	Not relevant

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 LD₅₀ (rat) >2000 mg/kg Oral LD₅₀ (mouse) >2000 mg/kg Dermal LD₅₀ (rat) >2000 mg/kg</p> <p>Acute Inhalation Toxicity Febantel LC₀ Rat: > 2 mg/l The substance or mixture has no acute inhalation toxicity</p>
Local Effects	<p>Eye: Non-irritant to the eye.</p> <p>Skin: Non-irritant to the skin. Sensitising to the skin.</p> <p>Pyrantel pamoate Sensitisation: May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>
Reproductive Effects	Febantel has shown teratogenic effects in rats and rabbits at extreme dosages which also produce maternal toxicity. None of the other ingredients of the formulation have been shown to produce reproductive or teratogenic effects.
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 _{ow} logP = 3.2 (febantel)
Ecotoxicity	<p>Febantel</p> <p><u>Fish:</u> LC₀ (96h) >10,000 mg/L Zebra barbel (<i>Brachydanio rerio</i>) <u>Bacteria:</u> EC₅₀ >10,000 mg/L Activated sludge <u>Algae:</u> ErC₅₀ (72hr) > 0,43 mg/l <i>Desmodesmus subspicatus</i> (green algae)</p> <p>Pyrantel pamoate</p> <p><u>Fish:</u> LC₀ (96hr) > 60,6 mg/l <i>Danio rerio</i> (zebra fish) <u>Daphnia:</u> EC₅₀ (48hr) 12,68 mg/l <i>Daphnia magna</i> (Water flea)</p> <p>Praziquantel.</p> <p><u>Fish:</u> LC₀ (96h) 31.6 mg/L Zebra barbel (<i>Brachydanio rerio</i>) LC₁₀₀ (96h) 100 mg/L Zebra barbel (<i>Brachydanio rerio</i>) LC₀ (96h) >10 mg/L <i>Lepomis macrochirus</i></p> <p><u>Daphnia</u> EC₀ (48h) 35 mg/L Water flea (<i>Daphnia magna</i>) EC₁₀₀ (48h) 35 mg/L Water flea (<i>Daphnia magna</i>) <u>Bacteria:</u> EC₅₀ >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	3077
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FEBANTEL)
Class & Subsidiary Risk	9
Packaging Group	III

SECTION 15 – REGULATORY INFORMATION

Poisons Schedule	Not scheduled
APVMA Registration	These products are registered by the APVMA.
Registration Numbers	35822, 35824, 35825. 46213, 46214 & 49219.

SECTION 16 – OTHER INFORMATIONSummary of
Changes

GHS 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**GHS** Globally Harmonized System of Classification and Labelling of Chemicals**HDPE** High density polyethylene**LDPE** Low density polyethylene**OECD** Organisation for Economic Co-operation and Development**STOT** Specific Target Organ Toxicity**SUSDP** Standard for the Uniform Scheduling of Drugs and Poisons**TWA** Time Weighted Average – average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.**UN Number** United Nations number**WESAC** Workplace Exposure Standards for Airborne Contaminants: Safe Work Australia

Disclaimer

This Safety Data Sheet has been developed according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Third revised edition. United Nations, 2009. 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 makes 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