

Section 1: Identification

Product identifier	Popantel F
Other means of identification	
Synonyms	Popantel F Flavoured Allwormer Tablets for Dogs * Popantel F Flavoured Allwormer Tablets for Large Dogs
Recommended use of the chemical and restrictions on use	
Recommended use	Veterinary product used as anti-worm agent (anthelmintic)
Restrictions on use	Not for human use
Details of manufacturer or importer	
Company Name (NZ)	Zoetis New Zealand Limited Level 4, 8 Mahuhu Crescent Auckland Central Auckland 1010, New Zealand
Telephone No.	0800 963 847 (Business Hours)
Emergency No. (National Poisons Centre)	0800 POISON (0800 764 766)
Emergency No. (Emergency Services)	In an emergency dial 111

Section 2: Hazard identification

Classification of the hazardous chemical	
Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Hazardous to the aquatic environment, acute hazard Category 1 Hazardous to the aquatic environment, long-term hazard Category 1

Label elements, including precautionary statements**Hazard symbol(s)**

Environment

Signal word

Warning

Hazard statement(s)

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)**Prevention**

Avoid release to the environment.

Response

Collect spillage.

Storage

Store away from incompatible materials.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification

None.

Supplemental information

None.

Section 3: Composition/information on ingredients**Mixture**

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Febantel	58306-30-2	30 - < 40
Pyrantel pamote (Pyrantel embonate)	22204-24-6	20 - < 30
Microcrystalline cellulose	9004-34-6	5 - < 10
Praziquantel	55268-74-1	5 - < 10

Section 4: First-aid measures

Description of necessary first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Ingestion	Rinse mouth. Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.
Symptoms caused by exposure	Direct contact with eyes may cause temporary irritation. Mild skin irritation. Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea.
Medical attention and special treatment	Treat symptomatically.

Section 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
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Special protective equipment and precautions for fire fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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Fire fighting equipment/instructions	Use water spray to cool unopened containers.
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Hazchem code	None.
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Hazards from combustion products	None.
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General fire hazards	No unusual fire or explosion hazards noted.
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Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
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Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away.
For emergency responders	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Clean surface thoroughly to remove residual contamination.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Section 7: Handling and storage**Precautions for safe handling**

Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices. If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Store as directed by product packaging. Store below 30°C. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure controls/personal protection**Control parameters**

Follow standard monitoring procedures.

Occupational exposure limits**Zoetis****Components****Type****Value**

Pyrantel pamote (Pyrantel embonate) (CAS 22204-24-6)

TWA

300 µg/m³

New Zealand. OELs (Workplace Exposure Standards and Biological Exposure Indices)**Components****Type****Value****Form**

Microcrystalline cellulose (CAS 9004-34-6)

TWA

10 mg/m³

Fiber.

US. ACGIH Threshold Limit Values (TLV)**Components****Type****Value**

Microcrystalline cellulose (CAS 9004-34-6)

TWA

10 mg/m³

UK. OELs. Workplace Exposure Limits (WELs) (EH40/2005 (Fourth Edition 2020)), Table 1**Components****Type****Value****Form**

Microcrystalline cellulose (CAS 9004-34-6)

STEL

20 mg/m³

Inhalable dust.

TWA

4 mg/m³

Respirable dust.

10 mg/m³

Inhalable dust.

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**Components****Type****Value****Form**

Microcrystalline cellulose (CAS 9004-34-6)

TWA

10 mg/m³

Inhalable fibers.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Control banding approach

Praziquantel: Zoetis OEB 1 (control exposure to the range of 1000 ug/m³ to 3000 ug/m³)

Pyrantel Pamoate: Zoetis OEB 2 (control exposure to the range of 100ug/m³ to < 1000ug/m³)

Control banding

Praziquantel: Zoetis OEB 1 (control exposure to the range of 1000 ug/m³ to 3000 ug/m³)

Pyrantel Pamoate: Zoetis OEB 2 (control exposure to the range of 100ug/m³ to < 1000ug/m³)

Appropriate engineering controls

If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual protection measures, for example personal protective equipment (PPE)**Eye/face protection**

Not normally needed. If contact is likely, safety glasses with side shields are recommended.

Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	No personal respiratory protective equipment normally required. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range.
Thermal hazards	Not applicable.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and chemical properties

Appearance	tablet
Physical state	Solid.
Form	Powder.
Colour	Yellow
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	Not available.
Other physical and chemical parameters	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

Section 10: Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Avoid exposure to light, sunlight and elevated temperatures.
Incompatible materials	Strong oxidising agents. Fluorine. Peroxides. Phenols.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

Section 11: Toxicological information

Information on likely routes of exposure

Inhalation Dust may irritate respiratory system.

Skin contact Dust or powder may irritate the skin.

Microcrystalline cellulose

Species: Rabbit
Severity: Non-irritating

Eye contact Dust may irritate the eyes.

Microcrystalline cellulose

Species: Rabbit
Severity: Non-irritating

Ingestion May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation. Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea. Mild skin irritation.

Information on toxicological effects

Acute toxicity Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	Species	Test Results
Febantel (CAS 58306-30-2)		
<u>Acute</u>		
Oral		
LD50	Rabbit	1250 mg/kg
	Rat	> 10 g/kg
<u>Chronic</u>		
Oral		
NOEL	Rat	0.7 mg/kg/day, 2 years [Liver effects; Not carcinogenic]
Microcrystalline cellulose (CAS 9004-34-6)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
Praziquantel (CAS 55268-74-1)		
<u>Acute</u>		
Oral		
LD50	Rat	2840 mg/kg
<u>Chronic</u>		
Oral		
	Hamster	250 mg/kg, 2 years (Not carcinogenic)
	Rat	100 mg/kg, 2 years (Not carcinogenic)
Pyrantel pamote (Pyrantel embonate) (CAS 22204-24-6)		
<u>Acute</u>		
Intraperitoneal		
LD50	Mouse	620 mg/kg
	Rat	535 mg/kg
Oral		
LD50	Mouse	> 24 g/kg
	Rat	> 4000 mg/kg
		> 24 g/kg

Components	Species	Test Results
<u>Subacute</u>		
Oral		
LOAEL	Dog	50 mg/kg/day, 1 months (Target organs: Gastrointestinal system, Liver)
NOAEL	Rat	500 mg/kg/day, 1 months (Target organs: None identified)
<u>Subchronic</u>		
Oral		
NOAEL	Dog	100 mg/kg/day, 13 weeks (Target organs: Gastrointestinal system, Liver)
	Rat	300 mg/kg/day, 13 weeks (Target organs: None identified)
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Eye contact		
Microcrystalline cellulose	Species: Rabbit	Severity: Non-irritating
Respiratory irritation	Dust may irritate respiratory system. Inhalation of dusts may cause respiratory irritation.	
Respiratory or skin sensitisation		
Respiratory sensitisation	Not a respiratory sensitiser.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Mutagenicity		
Pyrantel pamote (Pyrantel embonate)	Bacterial Mutagenicity (Ames)	Result: Negative Species: Salmonella
Praziquantel	Mammalian Cell Mutagenicity	Result: Negative Species: Not specified
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Developmental effects		
Febantel	10 - 45 mg/kg/day [Oxfendazole, gestation days 7-19], No maternal or developmental toxicity; Not teratogenic	Species: Rabbit
Praziquantel	200 mg/kg/day Prenatal & Postnatal Development, Not Teratogenic	Result: NOEL Species: Rabbit Organ: No route specified
Pyrantel pamote (Pyrantel embonate)	250 mg/kg Embryo / Fetal Development, Not Teratogenic	Result: NOAEL Species: Rabbit Organ: Oral
	250 mg/kg Embryo / Fetal Development, Not Teratogenic	Result: NOAEL Species: Rat Organ: Oral

Developmental effects

Pyrantel pamote (Pyrantel embonate)

250 mg/kg Prenatal & Postnatal Development, No effects at maximum dose

Result: NOAEL

Species: Rat

Organ: Oral

Praziquantel

300 mg/kg/day Prenatal & Postnatal Development, Not teratogenic

Result: NOEL

Species: Rat

Organ: No route specified

Reproductivity

Pyrantel pamote (Pyrantel embonate)

250 mg/kg Reproductive & Fertility, No effects at maximum dose

Result: NOAEL

Species: Rat

Organ: Oral

Praziquantel

8000 mg/kg/day Reproductive & Fertility, No effects at maximum dose

Result: NOEL

Species: Rat

Organ: No route specified

Specific target organ toxicity - single exposure Not classified.**Specific target organ toxicity - repeated exposure** Not classified.**Aspiration hazard** Not an aspiration hazard.**Narcotic effects** Due to lack of data the classification is not possible.**Section 12: Ecological information****Ecotoxicity** Avoid release to the environment. Very toxic to aquatic life with long lasting effects.**Components****Species****Test Results**

Febantel (CAS 58306-30-2)

Aquatic*Acute*

Crustacea

EC50

Daphnia magna

0.2165 mg/l, 48 hours

Fish

LC50

Fish

164 mg/l, 96 hours

Persistence and degradability No data available for this product.**Bioaccumulative potential** No data available.**Mobility in soil** No data available for this product.**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.**Section 13: Disposal considerations****Disposal methods**

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Special precautions to be taken during disposal Dispose in accordance with all applicable regulations.

Method of disposal that should not be used None known.

Section 14: Transport information

IATA

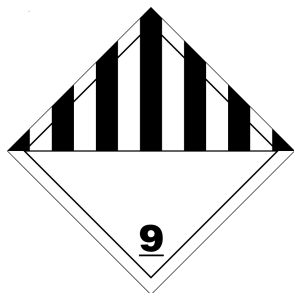
UN number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Febantel)
Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Packing group	III
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

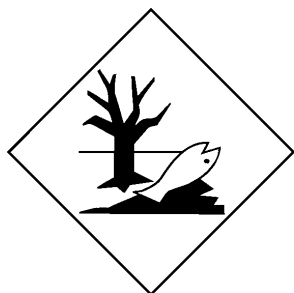
UN number	UN3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Febantel), MARINE POLLUTANT
Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

IATA; IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant. As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375. Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

Section 15: Regulatory information

Applicable regulations

Registered pursuant to the ACVM Act 1997, No. A010097 (Popantel F Flavoured Allwormer Tablets for Dogs)
Registered pursuant to the ACVM Act 1997, No. A010098 (Popantel F Flavoured Allwormer Tablets for Large Dogs)
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996, Code No. HSR100757.
See www.epa.govt.nz for approval controls.

New Zealand Inventory of Chemicals (NZIoC): Registration status

Febantel (CAS 58306-30-2)	Does not have individual approval but may be used as a component in a product covered by a group standard. It is not approved for use as a chemical in its own right.
Microcrystalline cellulose (CAS 9004-34-6)	Does not have individual approval but may be used under an appropriate group standard
Praziquantel (CAS 55268-74-1)	Does not have individual approval but may be used under an appropriate group standard
Pyrantel pamote (Pyrantel embonate) (CAS 22204-24-6)	Non-hazardous

Section 16: Other information

Issue date 11-March-2025

Version No. 01

Key abbreviations or acronyms used Not available.

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