



# SAFETY DATA SHEET

Title: POPANTEL F FLAVOURED ALLWORMER TABLETS FOR DOGS		Document: SDS-NZ028	
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Status: Current	Issue Date: 29-May-2020	Effective Date: 29-May-2020	Review Date: 29-May-2025

## Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

<b>Product Name:</b>	<b>Popantel F Flavoured Allwormer Tablets for Dogs</b> <b>Popantel F Flavoured Allwormer Tablets for Large Dogs</b>
<b>Product Identifier:</b>	Febantel, pyrantel and praziquantel tablet for dogs.
<b>Product Code:</b>	504200 (10kg dogs, 8 x 10 tablets) 504205 (35kg dogs, 7 x 6 tablets)
<b>Recommended Use:</b>	For the control in dogs of roundworms, whipworms, hookworms, tapeworms, (including the hydatid tapeworm).
<b>Restrictions on Use:</b>	For animal treatment only.
<b>Company Identification:</b>	Jurox New Zealand Limited
<b>Address:</b>	8 Kordel Place, East Tamaki, Auckland 2013
<b>Customer Centre:</b>	0800 587 696 (9am – 5pm, Monday to Friday)
<b>Email:</b>	<a href="mailto:customerservice@jurox.co.nz">customerservice@jurox.co.nz</a>
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766) (24 hours)
<b>Emergency Telephone Number:</b>	0800 CHEMCALL (0800 243 622) (24 hours)

## Section 2: HAZARDS IDENTIFICATION

**GHS Hazard Classifications:** This product has been assessed according to GHS and is classified as non-hazardous.

### GHS Label Elements:

Signal Word: None.

Pictograms: None.

Precautionary Statements: None.

**Other hazards:** None known.

## Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Febantel	58306-30-2	30 - 40%
Pyrantel embonate (pamoate)	22204-24-6	20 - 30 %
Praziquantel	55268-74-1	< 10%
Ingredients not contributing to the hazards	-	20 - 40%



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## Section 4: FIRST AID MEASURES

**General Information:** Persons with known hypersensitivity to the active substance should administer the product with caution. Consult the National Poisons Centre on 0800 POISON (0800 76 4766) or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have this SDS, product container or label at hand. In case of accidental ingestion, seek medical advice immediately and show the package leaflet or the label to the physician.

**Symptoms and Effects of Exposure:** None known. In animals vomiting has been observed in a small number of dogs after administration.

**Inhalation:** Unlikely to present an inhalation hazard during normal conditions of use due to the nature of the product. If respiratory symptoms occur, remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult, give oxygen. Seek medical assistance immediately.

**Ingestion:** If swallowed, DO NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. For advice, contact a doctor or the National Poisons Centre on 0800 POISON (0800 76 4766) immediately.

**Skin:** If skin contact occurs, wash affected area thoroughly with plenty of soap and water for at least 20 minutes. If skin irritation or rash occurs, get medical advice/attention.

**Eye:** If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye. If eye irritation persists, get medical advice/attention.

**Recommended First Aid Facilities:** Ready access to running water and soap is required. Accessible eyewash is required.

**Advice to Doctor:** Contains praziquantel, pyrantel embonate and febantel, which are endoparasiticides. Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

**Flash Point:** No data available on the mixture. Not flammable. Not combustible.

**Hazardous Combustion Products:** If involved in a fire may emit toxic and corrosive fumes. Not considered to be a significant fire risk.

**Extinguishing Media:** There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

**Protective Equipment:** Protective gloves, boots and breathing apparatus.

**HAZCHEM Code:** None specified.



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## Section 6: ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For small spills, clean up spilled product then wipe area and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. For large spills, exclude non-essential people from the area. Prevent spillage from entering drains or water courses and call emergency services.

**Protective Clothing:** For appropriate personal protective equipment see section 8.

**Environmental Precautions:** Prevent from entering drains, waterways or sewers. If contamination of drains and waterways occurs, advise local authority.

## Section 7: HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Avoid inhalation of dusts. Use personal protective equipment as required. Wash hands after use. Do not eat, drink or smoke while handling product.

**Storage:** Keep out of reach of children. Store in original container, away from foodstuffs. Store below 30°C (room temperature). Store locked up.

**Other Information:** Always read the label before use. See label for further information on handling and storage.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This SDS describes personal protective measures relating to long term industrial and manufacturing exposure and emergency situations, such as accidents and spills. See product label for personal protective measures during normal use of the marketed product.

**Exposure Limits:** An exposure limit for the mixture has not been established. Known exposure standards for the ingredients are as follows;

**Occupational Exposure Limits (OEL):**

**Occupational Exposure Banding:**

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
febantel	E	≤ 0.01 mg/m <sup>3</sup>

The ADI for Febantel and Praziquantel is set at 0.02 mg/kg/day. The corresponding NOEL for Febantel is 2 mg/kg/day. The corresponding NOEL for Praziquantel is 20 mg/kg/day.

**Engineering Controls:** No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and that dusts are minimised.

**Personal Protective Equipment (PPE):**

**Eye Protection:** Protective glasses or goggles are recommended when handling bulk quantities of this product.



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**Skin Protection:** When handling bulk product, prevent skin contact by wearing chemical protective gloves e.g. PVC.

**Respiratory Protection:** Not required for the normal use of this product.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Yellow, round tablet. flat bevelled-edge, quarter-scored tablet	<b>Upper / Lower Flammability Limits:</b>	Not available.
<b>Odour:</b>	Not available.	<b>Vapour Pressure:</b>	Not available.
<b>Odour Threshold:</b>	Not available.	<b>Vapour Density:</b>	Not available.
<b>pH:</b>	Not available.	<b>Relative Density / Specific Gravity:</b>	Not available.
<b>Melting Point / Freezing Point:</b>	Not available.	<b>Solubility:</b>	Disintegrates in water.
<b>Boiling Point and Boiling Range:</b>	Not available.	<b>Partition Coefficient (n-octanol/water):</b>	Not available.
<b>Flash Point:</b>	Not available.	<b>Auto-Ignition Temperature:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.	<b>Decomposition Temperature:</b>	Not available.
<b>Flammability:</b>	Not available.	<b>Viscosity:</b>	Not available.

## Section 10: STABILITY AND REACTIVITY

**Reactivity:** This product is unlikely to react or polymerise under normal storage conditions.

**Chemical Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the label.

**Conditions to Avoid:** Elevated temperatures and/or direct sunlight.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** No data available.

## Section 11: TOXICOLOGICAL INFORMATION

**Signs & Symptoms of Exposure:** No data. In animals vomiting has been observed in a small number of dogs after administration.

**Medical Conditions Generally Aggravated by Exposure:** None known.



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## Acute Toxicity:

**Ingestion:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the oral route.

Febantel: Oral LD<sub>50</sub>: 1250 mg/kg (rabbit);

Pyrantel embonate: Oral LD<sub>50</sub>: >4000 mg/kg (rat);

Praziquantel: Oral LD<sub>50</sub>: 1050 mg/kg (rabbit).

**Inhalation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the inhalation route.

**Dermal:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the dermal route.

**Aspiration Hazard:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be an aspiration hazard.

**Respiratory Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a respiratory irritant.

**Skin Corrosion / Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a skin irritant.

**Serious Eye Damage / Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be an eye irritant.

**Respiratory or Skin Sensitisation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a skin sensitiser or respiratory sensitiser.

**Germ Cell Mutagenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be mutagenic.

**Carcinogenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be carcinogenic.

**Reproductive Toxicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a reproductive toxicant.

**Specific Target Organ Toxicity (STOT): Single exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after single exposure.

**Specific Target Organ Toxicity (STOT): Repeated exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after repeat exposure.

**Narcotic Effects:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to have any narcotic effects.



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## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be toxic to the environment.

### Fish

Febantel: LC<sub>50</sub> (96h): 164 mg/L.

### Algae and other aquatic plants

Febantel: EC<sub>50</sub> (96h): 567 mg/L.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Febantel	HIGH	HIGH	LOW (LogKOW = 1.5332)	LOW (KOC = 2620)
Pyrantel embonate (pamoate)	No data	No data	No data	No data
Praziquantel	No data	No data	No data	No data

## Section 13: DISPOSAL INFORMATION

**Product Disposal:** Dispose of product only by using according to label or at an approved landfill.

**Container Disposal:** Dispose of container by wrapping with paper and putting in garbage.

## Section 14: TRANSPORT INFORMATION

**Dangerous Goods Classification:** Not considered a Dangerous Good for land, sea and air transport.

**HAZCHEM Code:** None specified.

## Section 15: REGULATORY INFORMATION

**ACVM Registration No:** A010097 (Popantel F Flavoured Allwormer Tablets for Dogs);  
A010098 (Popantel F Flavoured Allwormer Tablets for Large Dogs)

## Section 16: OTHER INFORMATION

### Legend:

<b>ACVM</b>	Agricultural Compounds and Veterinary Medicines.
<b>ADI</b>	Acceptable Daily Intake.
<b>CAS No.</b>	Chemical Abstracts Service Registry Number.
<b>EC<sub>50</sub></b>	The median effect concentration, being a statistically derived concentration of a substance that can be expected to cause an adverse reaction in 50% of organisms or a 50% reduction in growth or in the growth rate of organisms.
<b>EPA</b>	Environmental Protection Authority.
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals.
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.



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<b>KOC</b>	Soil-Water Partition Coefficient. The ratio of a chemical's concentration that is adsorbed in the soil to the concentration of chemical in solution.
<b>KOW</b>	Octanol Water Partition Coefficient. The ratio of a compound's concentration in a known volume of n-octanol to its concentration in a known volume of water after the octanol and water have reached equilibrium.
<b>LC<sub>50</sub></b>	The median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.
<b>LD<sub>50</sub></b>	The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.
<b>OEL</b>	Occupational Exposure Limits
<b>NOEL</b>	No-observable-effect-level.
<b>PPE</b>	Personal Protective Equipment.
<b>PVC</b>	Polyvinyl chloride.
<b>SDS</b>	Safety Data Sheet.
<b>STOT</b>	Specific Target Organ Toxicity.

## References:

ChemID Plus

Chemwatch

EPA New Zealand Chemical Classification and Information Database (CCID)

HSDB (Hazardous Substances Data Bank)

## Revision History:

Date of Revision	Reason
09 April 2018	As per EPA Hazardous Substances Notice, safety data sheets must be reissued at least once every 5 years. Minor updates were been done to all sections. Reclassification as non-hazardous according to GHS.
02 May 2020	Revision of SDS. Minor updates/changes only.

This information is based on data believed by Jurox New Zealand Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox New Zealand Limited by reason of the provision of this information. Every person dealing with the materials referred to herein do so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

**END OF SDS**