



POPANTEL F
FLAVOURED ALLWORMER TABLETS FOR DOGS

MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	Popantel F Flavoured Allwormer Tablets
Product Codes:	503570 (10 kg dogs / 80 tablets) 503575 (10 kg dogs / 2 tablets) 503580 (35 kg dogs / 42 tablets) 503710 (10 kg dogs / 4 tablets) 503715 (35 kg dogs / 2 tablets)
Recommended Use:	For the control of gastrointestinal worms in dogs.
Company Identification:	Jurox Pty Limited
Address:	85 Gardiner Road Rutherford NSW 2320 Australia
Customer Centre:	1800 023 312
National Poisons Information Centre:	131 126 (Australia-wide)
Emergency Telephone Number:	1800 023 312

Section 2: HAZARDS IDENTIFICATION

Hazard Classifications:	Considered a Hazardous Substance according to the criteria of NOHSC Australia. Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code. GHS Classification: Toxic to reproduction: Category 2 Specific Target Organ Systemic Toxicity (Repeated exposure) Category 2
Poisons Schedule:	Not scheduled
Risk phrases:	May damage fertility or the unborn child May cause damage to organs through prolonged or repeated exposure
Safety phrases:	Keep out of reach of children Read label and safety data sheet before use Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Do not breathe vapours If medical advice is needed, have product container or label at hand IF exposed or concerned: Get medical advice/attention Get medical advice/attention if you feel unwell

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Praziquantel	55268-74-1	< 10%
Pyrantel embonate	22204-24-6	10 - < 30%
Febantel	58306-30-2	30 - 60%
Other ingredients determined not to be hazardous		30 - 60%

Section 4: FIRST AID MEASURES

- First Aid Measures:** Consult the National Poisons Centre on 131126 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 product container or label at hand.
- Inhalation:** Unlikely to present an inhalation hazard during normal conditions of use due to the nature of the product. When handling the bulk product, if fumes or combustion products are inhaled, remove from contaminated area.
- Ingestion:** If swallowed, DO NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. For advice, contact the National Poisons Centre on 131126. Seek medical assistance immediately.
- Skin:** If skin contact occurs, wash affected area thoroughly with plenty of soap and water for at least 15 minutes. If skin irritation or rash occurs, get medical advice/attention. Remove and wash / dispose of contaminated clothing promptly.
- Eye:** If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. If eye irritation persists, get medical advice/attention.
- Chronic:** Repeated exposure to high doses (at least 60 mg/kg body weight/day) of febantel was reported to be toxic to the blood and haematopoietic system after 3 weeks in dog studies. A 52 week study in dogs reported testicular, prostatic and lymph node hypoplasia at daily doses of 1000ppm of the diet. Reduced litter sizes and reduced pup weights were reported in rats at daily doses of 500ppm of the diet prior to mating, during a 20 day mating period and the subsequent lactation period.
- Advice to Doctor:** Contains praziquantel, pyrantel embonate and febantel, which are endoparasiticides. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

- Flash Point:** Not flammable.
- Hazardous Combustion Products:** If involved in a fire, may emit noxious fumes. Non-combustible – 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 and boots and breathing apparatus
- HAZCHEM Code:** None specified

Section 6: ACCIDENTAL RELEASE MEASURES

- Spills and Disposal:** Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill.
- Protective Clothing:** For appropriate personal protective equipment see section 8.
- Environmental Precautions:** Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

- Handling:** Avoid contact with skin and eyes. Use personal protective equipment as required.
- Storage:** Keep out of reach of children. Store in original container, away from foodstuffs. Store below 30°C.
- Other Information:** Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limits:** No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood.
- Protective Equipment:** Protective gloves. When handling the bulk product, wear protective gloves, clothing and eyewear.
- Engineering Controls:** Handle in a well ventilated area.
- Hygiene Precautions:** Do not eat, drink or smoke when handling this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Yellow round tablets
- Specific Gravity:** Not applicable.
- Solubility in Water:** Disintegrates in water.
- Flash Point:** Not flammable.
- pH:** Not applicable.

Section 10: STABILITY AND REACTIVITY

- Stability:** When stored appropriately this product should show no significant degradation for at least 36 months from the date of manufacture
- Hazardous Polymerisation:** Not known to occur.
- Materials to Avoid:** Avoid reaction with oxidising agents.

Section 11: TOXICOLOGICAL INFORMATION

- Inhalation:** Unlikely to present an inhalation hazard under normal conditions of use. Breathing of dust from tablets could cause respiratory irritation and allergy in sensitive individuals, and therefore should be avoided.
- Ingestion:** Not considered acutely toxic by GHS classification.
Pyrantel embonate: Oral LD50 > 4000 mg/kg (rat), >5000 mg/kg (mouse).
Praziquantel: Oral LD50 =2840 mg/kg (rat), =2454 mg/kg (mouse), >200 mg/kg (dog), = 1050 mg/kg (rabbit).
Febantel: Oral LD50 =1250 mg/kg (rabbit), >10000 mg/kg (dog), >10000mg/kg (mouse), =10605 mg/kg (rat).
- Skin:** Not considered a skin irritant by GHS classification.
- Eye:** Not considered an eye irritant by GHS classification.
- Chronic Effects:** Repeated or prolonged exposure to febantel has produced damage to the blood and haematopoietic system in dog studies.



POPANTEL F FLAVOURED ALLWORMER TABLETS FOR DOGS

Page 4 of 4

Reproductive Toxicity: Suspected reproductive/developmental toxicant due to the presence of febantel. A 52 week study in dogs reported testicular, prostatic and lymph node hypoplasia at daily doses of 1000ppm of the diet. Reduced litter sizes and reduced pup weights were reported in rats at daily doses of 500ppm of the diet prior to mating, during a 20 day mating period and the subsequent lactation period.

Mutagenicity: Not known to be mutagenic (Ref: WHO Food Additives Series 29).

Carcinogenicity: Not known to be carcinogenic (Ref: WHO Food Additives Series 29).

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Praziquantel
Fish: LC0 (96 h): 31.6 mg/L (Zebra barbel *Brachydanio rerio*), LC100 (96 h): 100 mg/L (Zebra barbel *Brachydanio rerio*), LC0 (96 h): >10 mg/L (*Lepomis macrochirus*)
Daphnia: EC0 (48h) 35 mg/L Water flea (*Daphnia magna*), EC100 (48h) 35 mg/L Water flea (*Daphnia magna*)
Bacteria: EC50 > 10000 mg/L Activated sludge

Febantel
Fish: LC0 (96 h): >10000 mg/L (Zebra barbel *Brachydanio rerio*)
Bacteria: EC50 > 10000 mg/L Activated sludge

Section 13: DISPOSAL INFORMATION

Product Disposal: Use according to label and/or dispose in accordance with regional environmental regulations.

Container Disposal: Dispose of empty container by wrapping with paper and placing in garbage or dispose in accordance with regional environmental regulations.

Section 14: TRANSPORT INFORMATION

Dangerous Goods Classification: Not classed as a Dangerous Good for transport purposes by road, sea or air

Section 15: REGULATORY INFORMATION

APVMA Registration Nos: 62253 (Popantel F Flavoured Allwormer Tablets for Small Dogs and Puppies)
62258 (Popantel F Flavoured Allwormer Tablets for Dogs)
62257 (Popantel F Flavoured Allwormer Tablets for Large Dogs)

Section 16: OTHER INFORMATION

This information is based on data believed by Jurox Pty 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 Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does 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.