

SAFETY DATA SHEET**Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

| | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Product Identifier | Popantel Allwormer Tablets for Dogs Popantel Allwormer Tablets for Large Dogs |
| Product Code: | 501000 (10kg 100s); 503645 (10kg 4s x 8); 500995 (40kg 50s) |
| Recommended Use: | For the control in dogs of roundworms, whipworms, hookworms, tapeworms, (including the hydatid tapeworm). Does not control heartworm. |
| Restrictions on Use: | For animal treatment only. |
| Company name: | Jurox Pty Limited |
| Company Address: | 85 Gardiner Street, Rutherford, NSW 2320, Australia |
| Customer Centre: | 1800 023 312 |
| Email: | jenq@jurox.com.au |
| Emergency Telephone Numbers: | National Poisons Information Centre 13 11 26 (24 hours) Customer Centre 1800 023 312 (9am – 5pm, Monday to Friday) |

Section 2: HAZARDS IDENTIFICATION

Hazard Classifications: This product has been assessed according to GHS and is classified as follows:

| GHS Category | Hazard code | Hazard Statement |
|----------------------------|-------------|-------------------------------|
| Eye irritation Category 2A | H319 | Causes serious eye irritation |

Signal word: WARNING

GHS Pictograms:



Exclamation
mark

Precautionary statements:

Prevention

P264 Wash hands thoroughly after handling.
P280 Wear eye protection.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

| INGREDIENT | CAS No. | CONTENT |
|--------------------------------------------------|------------|---------|
| Oxantel embonate (pamoate) | 68813-55-8 | 57% |
| Pyrantel embonate (pamoate) | 22204-24-6 | 15% |
| Praziquantel | 55268-74-1 | 5.3% |
| Other ingredients determined to be non hazardous | - | 22.7% |

Section 4: FIRST AID MEASURES

General Information: Consult the National Poisons Information Centre on 13 11 26 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.

Symptoms and Effects of Exposure: Contact with the eyes can cause serious eye irritation. Accidental ingestion may result in sore throat, abdominal pain, and central nervous system effects; headache, dizziness, drowsiness. Entry into the blood-stream through cuts, abrasions or lesions, may produce systemic injury with harmful effects. May cause inflammation of the skin on contact in some people.

Eye contact: If eye contact occurs, cautiously rinse with fresh running water for at least 20 minutes. Remove contact lenses if present as soon as practicable. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay. If pain persists or recurs seek medical attention.

Ingestion: If swallowed do NOT induce vomiting. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. 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. Seek medical advice.

Skin contact: If skin contact occurs, immediately remove all contaminated clothing and footwear. Wash affected area with running water and soap. Seek medical attention in event of irritation.

Inhalation: If dust is inhaled, remove from contaminated area. Encourage patient to blow nose to ensure clear breathing passages. Ask patient to rinse mouth with water but to not drink water. Seek immediate medical attention.

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

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

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

Fire / explosion hazard: Non-combustible. Not considered a significant fire risk, however containers may burn. Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

Hazardous Combustion Products: If involved in a fire, may emit poisonous or corrosive fumes. Decomposes on heating and produces carbon dioxide, nitrogen oxides, sulfur oxides, other products typical of burning organic material.

Protective Equipment: Protective gloves and breathing apparatus.

HAZCHEM Code: None.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: This product is sold in small packages, and accidental release from one of these is not usually a cause for concern. Although no special protective clothing is normally necessary for small spills because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. For large spills, wear protective clothing, safety glasses, dust mask, and gloves. Exclude non-essential people from the area. For further information on appropriate personal protective equipment, refer to section 8.

Environmental Precautions: DO NOT discharge into sewer or waterways.

Methods and materials for containment and cleaning up:

Minor spills should be cleaned up immediately. Bundle/collect recoverable product. Collect remaining material in containers with covers for disposal in a bin.

Major spills should be cleaned up immediately. Secure load if safe to do so. Bundle/collect recoverable product. Use dry clean up procedures and avoid generating dust. Vacuum up (consider explosion-proof machines designed to be grounded during storage and use).

Section 7: HANDLING AND STORAGE

Safe Handling: Avoid all personal contact, including inhalation. Wear protective clothing. Use in a well-ventilated area. Prevent concentration in hollows and sumps. **DO NOT** enter confined spaces until atmosphere has been checked. **DO NOT** allow material to contact humans, exposed food or food utensils.

Storage: Store in original containers. Glass container is suitable for laboratory quantities. Keep containers securely sealed. Check all material is clearly labelled. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Avoid reaction with oxidising agents. Protect containers against physical damage and check regularly for leaks. Keep out of reach of children. Store below 30°C (room temperature). Protect from light.

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 or its ingredients.

Appropriate Engineering controls: Enclosed local exhaust ventilation is required (HEPA terminated should be considered) at points of dust, fume or vapour generation. Barrier protection or laminar flow cabinets should be considered for laboratory scale handling. A fume hood or vented balance enclosure is recommended for weighing/ transferring quantities exceeding 500 mg. When handling quantities up to 500 grams, a standard laboratory with general dilution ventilation (e.g. 6-12 air changes per hour) is preferred. Quantities up to 1 kilogram may require a fume hood, biological safety cabinet, or approved vented enclosures.

Personal Protective Equipment (PPE):

Eye protection: For laboratory, larger scale or bulk handling or where regular exposure in an occupational setting occurs, wear chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Full face shield may be required for supplementary but never for primary protection of eyes.

Skin protection: Wear rubber gloves (nitrile / latex) while handling the product. Change gloves frequently and when contaminated, punctured or torn. Wash hands immediately after removing gloves. When handling bulk quantities, wear chemical protective gloves e.g. PVC.

Respiratory protection: Not required for the normal use of this product. When handling bulk quantities wear a half-face or full-face CLASS (P2) Particulate Filter Respirator intended for use against both mechanically and thermally generated particulates.

Thermal Protection: This product is not a thermal hazard.

Other Protection: For quantities up to 500 grams a laboratory coat may be suitable. For quantities up to 1 kilogram a disposable laboratory coat or coverall of low permeability is recommended. Coveralls should be buttoned at collar and cuffs. For quantities over 1 kilogram and manufacturing operations, wear disposable coverall of low permeability and disposable shoe covers. For manufacturing operations, air-supplied full body suits may be required for the provision of advanced respiratory protection. Eye wash unit should be available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------------------|-------------------------------------------------------------------|---------------------------------------------------|-----------------|
| Appearance: | Yellow, round or oblong-shaped tablet. Disintegrates in water. | Upper / Lower Flammability Limits: | Not applicable. |
| Odour: | Not available. | Vapour Pressure: | Not applicable |
| Odour Threshold: | Not available. | Vapour Density: | Not applicable |
| pH: | Not applicable. | Relative Density / Specific Gravity: | Not available. |
| Melting Point / Freezing Point: | Not available. | Solubility in water: | Miscible. |
| Boiling Point and Boiling Range: | Not available. | Partition Coefficient (n-octanol / water): | Not available. |
| Flash Point: | Not applicable. | Auto-Ignition Temperature: | Not applicable. |
| Evaporation Rate: | Not available. | Decomposition Temperature: | Not available. |
| Flammability: | Not flammable. | Viscosity: | Not applicable. |

Section 10: STABILITY AND REACTIVITY

Reactivity: This product is considered stable and hazardous polymerisation will not occur.

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

Conditions to Avoid: Wet / damp conditions, poorly ventilated areas, elevated temperatures and direct sunlight.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Decomposes on heating and produces carbon dioxide, nitrogen oxides, sulfur oxides.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: No data for the product is available. Based on available data for the ingredients, the product is not classified as acutely toxic:

Pyrantel pamoate Oral LD₅₀ >24000 mg/kg (mouse/rat);
Praziquantel Oral LD₅₀ 1050 mg/kg (rabbit) ; oral LD₅₀ >200 mg/kg (dog) ;
Oxantel pamoate *no data available*.

Skin Corrosion / Irritation: No data for the product is available. Based on available data for the ingredients, the product is not classified as a skin irritant.

Serious Eye Damage / Irritation: This product is classified as an eye irritant.

Respiratory or Skin Sensitisation: No data for the product is available. Based on available data for the ingredients, the product is not classified as a skin sensitiser or respiratory sensitiser.

Germ Cell Mutagenicity: No data for the product is available. Based on available data for the ingredients, the product is not classified as mutagenic.

Reproductive Toxicity: No data for the product is available. Based on available data for the ingredients, the product is not classified as toxic to reproduction.

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

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

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.

Possible Routes of Exposure:

Ingestion: Accidental ingestion of the material may be damaging to the health of the individual.

Inhalation: The product is not thought to produce adverse effects or irritation of the respiratory tract following inhalation.

Skin contact: There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. Entry into the blood-stream through cuts, abrasions or lesions, may produce systemic injury with harmful effects.

Eye Exposure: This material can cause eye irritation and damage in some persons.

Early Onset Symptoms Related to Exposure: Ingestion may result in sore throat, abdominal pain, and central nervous system effects; headache, dizziness, drowsiness. Irritation of the eyes or skin may occur on contact.

Delayed Health Effects from Exposure: Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless, exposure by all routes should be minimised as a matter of course.

Exposure Levels and Health Effects: No data for the product is available. Available data for the for ingredients in the mixture:

Pyrantel Pamoate: NOAEL rat, rabbit 250 mg/kg/day
Praziquantel : NOAEL: 20 mg/kg/day (species not specified)
Oxantel pamoate *no data available*

Section 12: ECOLOGICAL INFORMATION

| Ecotoxicity: | Endpoint | Test Duration (hr) | Species | Value | Source |
|-------------------------------------|---------------|--------------------|---------------|---------------|---------------|
| Popantel Allwormer Tablets For Dogs | Not Available | Not Available | Not Available | Not Available | Not Available |
| Oxantel embonate (pamoate) | Not Available | Not Available | Not Available | Not Available | Not Available |
| Pyrantel embonate (pamoate) | Not Available | Not Available | Not Available | Not Available | Not Available |
| Praziquantel | Not Available | Not Available | Not Available | Not Available | Not Available |

Persistence and Degradability: There is no data available for the product or the individual ingredients.

Bioaccumulative potential: There is no data available for the product or the individual ingredients.

Mobility in soil: There is no data available for the product or the individual ingredients.

Section 13: DISPOSAL INFORMATION

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

Container Disposal: Dispose of empty container by wrapping with paper and placing in garbage.

For the safety of persons conducting disposal, recycling or reclamation activities, refer to the information in Section 8 of this SDS – Exposure Controls and Personal Protection.

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

Regulations / legislation specific for the product:

Poison Schedule (SUSMP): S5

APVMA Registration No: 40468 (Popantel Allwormer Tablets for Dogs); 47683 (Popantel Allwormer Tablets for Large Dogs).

Regulations / legislation specific for the ingredients in the mixture:

All of the significant ingredients in this formulation are listed with the AICS and compliant with NICNAS regulations.

Poison Schedule (SUSMP): Oxantel embonate S5; Pyrantel embonate S2; Praziquantel S4.

Section 16: OTHER INFORMATION

Legend:

| | |
|----------------|--------------------------------------------------------------------------|
| AICS | Australian Inventory of Chemical Substances. |
| APVMA | Australian Pesticides and Veterinary Medicines Authority |
| CAS No. | Chemical Abstracts Service Registry Number. |
| GHS | Globally Harmonized System of Classification and Labelling of Chemicals. |
| EPA | Environmental Protection Authority. |

| | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially firefighters. |
| LD₅₀ | The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals. |
| NOAEL | No Observed Adverse Effect Level |
| NICNAS | National Industrial Chemicals Notification and Assessment Scheme. |
| PPE | Personal Protective Equipment. |
| PVC | Polyvinyl chloride. |
| SDS | Safety Data Sheet. |
| STOT | Specific Target Organ Toxicity. |
| SUSMP | Australian Standard for the Uniform Scheduling of Medicines and Poisons. |
| SWA | Safe Work Australia. |

References:

ChemID Plus

EPA New Zealand Chemical Classification and Information Database (CCID)

HSDB (Hazardous Substances Data Bank)

This version issued: 12 SEP 2018 and is valid for 5 years from this date.**Supersedes:** This SDS supersedes the version issued on 18 January 2016.**Revision History:**

| Date of Revision | Reason |
|------------------|------------------------------------------------------------------------------------------------------------|
| 18 January 2016 | Reclassification of substance to GHS classification and update of SDS to comply with SWA Code of Practice. |
| 12 SEP 2018 | Update of SDS to comply with SWA Code of Practice. |
| | |

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 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