

Section 1 - Identification of the Substance/Mixture and Supplier

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Product Identifier: CANEX Cube Palatable All Wormer for Dogs and Small Dogs

APVMA approval number: 49628 (dogs); 54127 (small dogs)

Other Names: Note that this SDS is intended for two products differing in size and quantity of active ingredients.

Chemical family: Pyrantel Pamoate, Oxantel Pamoate and Praziquantel palatable cubes for dogs.

Recommended Use: Veterinary product used as anti-worm agent (anthelmintic).

Restrictions on use: For veterinary use only.

Emergency Phone: 1800 814 883 (all hours)

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S36. Wear suitable protective clothing.

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMSBC criteria.

GHS Classification:

GHS Label Elements: NONE. Not hazardous.

Signal word: NONE. Not hazardous.

HAZARD STATEMENT: NONE. Not hazardous.

PREVENTION

P102: Keep out of reach of children.

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.

RESPONSE

P353: Rinse skin or shower with water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

STORAGE

P402: Store in a dry place.

P411: Store at temperatures not exceeding 30°C.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Other/supplementary hazards. None known.

Emergency Overview

Physical Description & colour: Soft brown tablets.

Odour: No data re odour.

Major Health Hazards: no significant risk factors have been found for this product.

No specific medical attention is advised. Treat symptomatically.

Other Hazards

Short Term: Toxicity following ingestion is not expected. However, ingestion should be avoided.

Known Clinical Effects: Ingestion of this material may cause effects similar to those seen in clinical use including nausea, vomiting, abdominal cramps, anorexia, diarrhoea, and constipation. Central nervous system effects such as dizziness, headache, insomnia, irritability and weakness have also been reported.

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Issued by: Zoetis Australia Pty Ltd

Phone: 1800 814 883

Poisons Information Centre: 13 1126 from anywhere in Australia

Section 3 - Composition/Information on Ingredients

| Ingredients | CAS No | Conc,% | TWA (mg/m ³) | STEL (mg/m ³) |
|---------------------------------|------------|------------|--------------------------|---------------------------|
| Oxantel embonate | 68813-55-8 | 543mg/tab* | not set | not set |
| Pyrantel embonate | 22204-24-6 | 143mg/tab* | not set | not set |
| Praziquantel | 55268-74-1 | 50mg/tab* | not set | not set |
| Other non hazardous ingredients | secret | to 100 | not set | not set |

* Values above are those "for Dogs". Values "for small dogs" are half the values above.

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

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 and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Most Important Symptoms and Effects, Both Acute and Delayed: None known.

Symptoms and Effects of Exposure: See Section 2.

Medical Conditions Aggravated by Exposure: None known.

Indication of the Immediate Medical Attention and Special Treatment Needed: None known.

Notes to Physician: None.

Section 5 - Fire Fighting Measures

Hazards arising from the product: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Suitable Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

Special Protective Equipment and Precautions for Firefighters: If a significant quantity of this product is involved in a fire, call the fire brigade.

Hazchem Code: None allocated.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer 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. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Environmental Precautions: None.

Methods and Material for Containment and Cleaning Up. This product is sold in small packages. No special measures are usually necessary following spills.

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Measures for Cleaning / Collecting: Contain the source of the spill if it is safe to do so and transfer into a labelled container for disposal.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Protect this product from light. Store in the closed original container in a dry, cool (not exceeding 30°C), well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

Control Parameters:

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure limits **TWA (mg/m³)** **STEL (mg/m³)**

Exposure limits have not been established by SWA for any of the known significant ingredients in this product.

The ADI for Praziquantel is set at 0.02mg/kg/day. The corresponding NOEL is set at 20mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, June 2013.

Engineering Controls: No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

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

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: There is no specific recommendation for any particular protective material type.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

| | |
|----------------------------------|----------------------------|
| Appearance: | Soft brown tablets. |
| Odour: | No data re odour. |
| Odour Threshold: | No data. |
| pH: | No data. |
| Freezing/Melting Point: | Decomposes before melting. |
| Boiling Point: | Not applicable. |
| Flash point: | No data |
| Upper Flammability Limit: | No data. |
| Lower Flammability Limit: | No data. |
| Autoignition temperature: | No data. |
| Flammability Class: | No data. |
| Upper Flammability Limit: | Does not burn. |
| Lower Flammability Limit: | Does not burn. |

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|---|---------------------------------|
| Autoignition temperature: | Not applicable - does not burn. |
| Flammability (solid, gas): | Not applicable. |
| Flammability Class: | Does not burn. |
| Decomposition Temperature: | No data. |
| Volatiles: | No data. |
| Vapour Pressure: | No data. |
| Vapour Density: | Not applicable. |
| Relative Density: | No data. |
| Water Solubility: | No data. |
| Solvent Solubility: | No data. |
| Volatility: | No data. |
| Evaporation Rate: | Not applicable. |
| Partition Coefficient (n-octanol/water): | No data |
| Viscosity: | Not applicable. |
| Autoignition temp: | No data. |
| iscosity: | Not applicable. |

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Stability: Stable if stored under normal conditions.

Conditions to Avoid: Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities: No particular Incompatibilities.

Hazardous decomposition products: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form oxides of phosphorus and other phosphorus compounds. Calcium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Symptoms caused by Exposure

General Information: No data.

Routes of exposure: No data.

Symptoms of exposure: No data.

Inhalation:

Short term exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short term exposure: This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.

Long Term exposure: No data for health effects associated with long term eye exposure.

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Ingestion:

Short term exposure: Significant oral exposure is considered to be unlikely. However, this product may be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.

Long Term exposure: No data for health effects associated with long term ingestion.

Specific Target Organ Toxicity (STOT) – single exposure: No data.

Specific Target Organ Toxicity (STOT) – repeated exposure: No data.

Aspiration Hazard: No data.

Early Onset Symptoms Related to Exposure: No data.

Delayed Health Effects from Exposure: No data.

Exposure Levels and Health Effects: No data.

Interactive Effects: No data.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Acute Toxicity:

| Species, | Route, | End Point, | Dose |
|-------------------------|-----------------|------------------|------------|
| Praziquantel | | | |
| Rat | Oral | LD ₅₀ | 2840 mg/kg |
| Pyrantel pamoate | | | |
| Mouse | Oral | LD ₅₀ | > 24 g/kg |
| Rat | Oral | LD ₅₀ | > 24g/kg |
| Mouse | Intraperitoneal | LD ₅₀ | 620mg/kg |
| Rat | Intraperitoneal | LD ₅₀ | 535mg/kg |

Repeated Dose Toxicity:

| Duration, | Species, | Route, | Dose, | End Point, | Target Organ |
|-------------------------|----------|--------|---------------|------------|--------------------------------|
| Pyrantel pamoate | | | | | |
| 1 Month(s) | Rat | Oral | 500 mg/kg/day | NOAEL | None identified |
| 1 Month(s) | Dog | Oral | 50 mg/kg/day | LOAEL | Gastrointestinal system, Liver |
| 13 Week(s) | Rat | Oral | 300 mg/kg/day | NOAEL | None identified |
| 13 Week(s) | Dog | Oral | 100 mg/kg/day | NOAEL | Gastrointestinal system, Liver |

There is no data to hand indicating any particular target organs.

Respiratory or Skin Sensitisation: No data.

Carcinogenicity:

| Duration, | Species, | Route, | Effect(s) |
|---------------------|----------|--------------------|------------------|
| Praziquantel | | | |
| 2 Year(s) | Rat | No route specified | Not carcinogenic |
| 2 Year(s) | Hamster | No route specified | Not carcinogenic |

Reproduction & Developmental Toxicity:

| Study Type | Species | Route, | Dose | End Point Effect(s) |
|-----------------------------------|---------|---------------------|----------------|-----------------------------|
| Praziquantel | | | | |
| Prenatal & Postnatal Development, | Rat, | No route specified, | 300 mg/kg/day, | NOEL , Not teratogenic |
| Prenatal & Postnatal Development | Rabbit | No route specified | 200 mg/kg/day | NOEL Not Teratogenic |
| Reproductive & Fertility | Rat | No route specified | 8000 mg/kg/day | NOEL No effect at max dose |
| Pyrantel pamoate | | | | |
| Reproductive & Fertility | Rat | Oral | 250 mg/kg | NOAEL No effect at max dose |
| Prenatal & Postnatal Development | Rat | Oral | 250 mg/kg | NOAEL No effect at max dose |
| Embryo / Foetal Development | Rat | Oral | 250 mg/kg | NOAEL Not Teratogenic |
| Embryo / Foetal Development | Rabbit | Oral | 250 mg/kg | NOAEL Not Teratogenic |

Genetic Toxicity:

| Study Type, | Cell Type/Organism, | Result |
|-----------------------------|---------------------|----------|
| Praziquantel | | |
| Mammalian Cell Mutagenicity | Not specified | Negative |

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Pyrantel pamoate

Bacterial Mutagenicity (Ames) Salmonella Negative

Carcinogen Status:**SWA:** No significant ingredient is classified as carcinogenic by SWA.**NTP:** No significant ingredient is classified as carcinogenic by NTP.**IARC:** No significant ingredient is classified as carcinogenic by IARC.

Section 12 - Ecological Information

Environmental properties have not been thoroughly investigated. Releases to the environment should be avoided.

Toxicity information: No data.**Persistence and degradability:** No data.**Bioaccumulative potential:** No data.**Mobility in soil:** No data.**Other adverse effects:** No data.

Section 13 - Disposal Considerations**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14 - Transport Information**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMSBC criteria. No special transport conditions are necessary unless required by other regulations.**Special precaution for user:** None known.**Additional Information:** None known.**Environmental Hazard:** None known.

Section 15 - Regulatory Information**Poison Schedule:** S5**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredients: Oxantel, Pyrantel, Praziquantel, are mentioned in the SUSMP.

Section 16 - Other Information**This SDS contains only safety-related information. For other data see product literature.****Data Sources:** The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.**Acronyms:**

| | |
|---------------------|---|
| ADG Code | Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition) |
| AICS | Australian Inventory of Chemical Substances |
| SWA | Safe Work Australia, formerly ASCC and NOHSC |
| CAS number | Chemical Abstracts Service Registry Number |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| IARC | International Agency for Research on Cancer |
| NOS | Not otherwise specified |
| NTP | National Toxicology Program (USA) |
| R-Phrase | Risk Phrase |
| SUSMP | Standard for the Uniform Scheduling of Medicines & Poisons |
| UN Number | United Nations Number |

This version issued: 27 June 2014 and is valid for 5 years from this date.**Supersedes:****Revision History:**

| Date of Revision | Reason |
|------------------|--------|
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Contact Points:

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|---------------------------------|---------------------|
| Zoetis | 1800 814 883 |
| Police and Fire Brigade: | Dial 000 |

**If ineffective: Dial Poisons Information Centre
(13 1126 from anywhere in Australia)**

THIS SDS SUMMARISES OUR CURRENT AND BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION ABOUT THE PRODUCT DETAILED IN THIS SDS, AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE FOR THE RECOMMENDED USE. EACH USER OF THE PRODUCT MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THEIR OWN WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT ZOETIS.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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Prepared by Kilford & Kilford Pty Ltd

End of Safety Data Sheet

SAFETY DATA SHEET