

ISSUED: 16 February 2016

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

Product Name: Promectin Plus Mini Allwormer Paste for Horses
(300 kg – 600 kg)
Promectin Plus Mini Allwormer Paste for Foals and
Ponies (150 kg – 300 kg)

Product Code: 503750 (6.3 g product for horses)
503755 (3.15 g product for foals and ponies)

Recommended Use: Small volume oral paste for the treatment of roundworms and tapeworms in horses.

Restrictions on Use: For animal treatment only.

Company Identification: Jurox Pty Limited

Address: 85 Gardiner Street,
Rutherford, NSW 2320,
Australia

Email: jenq@jurox.com.au

Customer Centre: 1800 023 312

National Poisons Information Centre: 13 1126 (Australia-wide)

Emergency Telephone Number: 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
Acute Toxicity (Oral) Category 4	H302	Harmful if swallowed
Skin Sensitizer Category 1	H317	May cause an allergic skin reaction
Lactation Effects	H362	May cause harm to breast-fed children
STOT- SE Category 2	H371	May cause damage to organs
Chronic Aquatic Hazard Category 1	H410	Very toxic to aquatic life with long lasting effects

Signal word: WARNING

GHS Pictograms:



Health Hazard Exclamation Mark Environment

Precautionary statements:Prevention

- P201 Obtain special instructions before use.
P260 Do not breathe vapours.
P263 Avoid contact during pregnancy / while nursing.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
P273 Avoid release to the environment.

Response

- P301+P310 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P308+P313 If exposed or concerned: Get medical advice/attention.
P309+P311 If exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Storage

- P405 Store locked up.

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Praziquantel	55268-74-1	23.8%
Ivermectin	70288-86-7	1.9%
Ingredients not contributing to the hazards		> 70%

Section 4: FIRST AID MEASURES

General Information: 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: In humans, exposure to ivermectin has caused fever, rash, lymph node swelling, dilated pupils, sedation, vomiting, tremors, convulsions, coma and death.

Inhalation: If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually not necessary. 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 and seek medical assistance immediately.

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. Observe the patient carefully.

Skin: If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

Eye: If eye contact occurs: Immediately flush the eye continuously with running water. 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. Continue flushing for at least 20 minutes. 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: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point: No data.

Hazardous Combustion Products: If involved in a fire, may emit noxious and irritant fumes.

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 breathing apparatus.

HAZCHEM Code: None specified.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear gloves and appropriate protective clothing. For small spills, clean up spilled product then wipe area and put empty container in garbage. 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 spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling: Handle this product with care to avoid exposure, taking all recommended precautions. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required. Do not eat, drink or smoke while handling product. Do not allow children to play with paste or used containers. Avoid contact when breast-feeding.

Storage: Keep out of reach of children. Store below 30°C (room temperature) away from light.

Other Information: Avoid contact with incompatible substances as listed in Section 10. Always read the label before use.

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: No exposure limits have been assigned for this product or its ingredients.

Engineering Controls: Handle in a well ventilated area. Ensure that the work environment remains clean.

Personal Protective Equipment (PPE):

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

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

Appearance:	White paste	Lower flammability limits:	Not available
Odour:	Not available	Vapour Pressure:	Not available
Odour threshold:	Not available	Vapour density:	Not available
pH:	Not available	Relative density:	Not applicable
Melting Point:	Not applicable	Specific Gravity:	Not available
Boiling Point:	Not available	Solubility in Water:	Miscible with water
Flash Point:	Not available	Partition coefficient:	Not available
Evaporation Rate:	Not available	Auto-ignition temperature:	Not available
Flammability:	Not flammable	Decomposition temperature:	Not available
Upper flammability limits:	Not available	Viscosity:	Not applicable

Section 10: STABILITY AND REACTIVITY

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

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

Conditions to Avoid: Extreme temperatures.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: No data available.

Section 11: TOXICOLOGICAL INFORMATION**Acute Toxicity:**

Ingestion: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as acutely toxic by the oral route. Severely toxic effects may result from the ingestion of ivermectin; animal experiments indicate that ingestion of less than 5 g may be fatal or may produce serious damage to the health of the individual.

Praziquantel: Oral LD₅₀: 1050 mg/kg (rabbit), 200 mg/kg (dog);

Ivermectin: Oral LD₅₀: 10 mg/kg (rat), 11.6 mg/kg (mouse).

Inhalation: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as 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.

Ivermectin: Skin LD₅₀: 406 mg/kg (rabbit).

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 classified as a reproductive toxicant via lactation. Results of animal studies demonstrate that teratogenic effects are evident only at dose levels similar to those causing severe toxic effects in pregnant animals. Results of a cross-fostering study indicated that the neonatal toxicity was not related to in utero exposure but to postnatal exposure via maternal milk.

STOT: Single exposure: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as a specific target organ toxicant after single exposure. Studies in animals and cases of ingestion in humans have shown that orally administered ivermectin can elicit dose-dependant CNS effects, including drowsiness, inco-ordination, slowed breathing, vomiting, dilated pupils, sedation and tremors.

STOT: Repeat 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. Animal testing showed that the chronic effects of ivermectin were changes in the spleen, bone marrow and kidneys.

Aspiration hazard: No data available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as very toxic to the aquatic environment with long lasting effects.

Fish

Ivermectin: LC₅₀ (96h): 0.0032 – 0.0096 mg/L.

Crustacea

Ivermectin: EC₅₀ (48h): 0.000022 - 0.00036 mg/L.

Algae and other aquatic plants

Ivermectin: No data.

Dung beetles

No data.

Bees

No data.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Praziquantel	No data	No data	No data	No data
Ivermectin	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: Crush or puncture and bury in an approved landfill if an approved recycling system is not available.

Section 14: TRANSPORT INFORMATION

Dangerous Goods Classification: Classified as a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

Proper Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S. (contains ivermectin).

UN Number: 2810

Transport Hazard Class: 6.1.

Packing Group: III

HAZCHEM Code: 2X

Section 15: REGULATORY INFORMATION

Poison Schedule (SUSMP): S5

APVMA No.: 62378 (Promectin Plus Mini Allwormer Paste for Horses (300 kg – 600 kg));
64400 (Promectin Plus Mini Allwormer Paste for Foals and Ponies (150 kg – 300 kg)).

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

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.

Legend:

AICS	Australian Inventory of Chemical Substances.
CAS No.	Chemical Abstracts Service Registry Number.
EC₅₀	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.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals.
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
LC₅₀	The median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.
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.
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	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: 16 February 2016 and is valid for 5 years from this date.

Supersedes: This SDS supersedes the version issued on 14 May 2013.

Revision History:

Date of Revision	Reason
16 February 2016	Classification of substance to GHS classification and update of SDS to comply with SWA Code of Practice.

END OF SDS