

# SAFETY DATA SHEET

## VALUE PLUS VALUMAX RED TUBE ALLWORMER PASTE FOR HORSES

### SECTION 1 IDENTIFICATION

**Product Name:** VALUMAX RED TUBE ALLWORMER PASTE FOR HORSES  
**Company Product Code:** VAL8711, VAL8712  
**Other Names:** VALUMAX RED TUBE; VALUMAX  
**Recommended Use/Restrictions:** For animal treatment only. Oral paste for the treatment of roundworms and tapeworms in horses.

**Company:** Zoo Pets Pty Ltd  
**Address:** Unit 4, 3 Terrace Road, North Richmond NSW 2766  
PO Box 506, Cherrybrook NSW 2126  
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**Telephone Number:** +61 (0)2 4571 4211 (Mon-Fri 9:00am – 5:00pm)  
**Fax Number:** +61 (0)2 4571 4928  
**Emergency Telephone Number:** Poisons Information Centre 13 11 26

### SECTION 2 HAZARDS IDENTIFICATION

**Hazard Classification:** This product has been assessed according to GHS and is classified as follows:  
**Hazard Statement:** H302 Harmful if swallowed  
H332 Harmful if inhaled  
H412 Harmful to aquatic life with long lasting effects

**Signal Word:** Warning

**Precautionary Statement:** P271 Use only outdoors or in a well ventilated area  
P261 Avoid breathing vapours  
P264 Wash all exposed external body areas thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P273 Avoid release to the environment

**Response:** P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P330 Rinse mouth.

### SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

#### INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
PRAZIQUANTEL	55268-74-1	4.62
ABAMECTIN	71751-41-2	0.37
Non-Hazardous		> 90

### SECTION 4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

**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 abamectin has caused fever, rash, lymph node swelling, dilated pupils, sedation, vomiting, tremors, convulsions, coma and death.

**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.

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<b>Eye:</b>	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.
<b>Skin:</b>	If skin contact occurs; Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). If irritation persists, seek medical attention.
<b>Inhaled:</b>	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.

### SECTION 5 FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Equipment:</b>	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for the surrounding area.
<b>Specific Hazards Arising from the Chemical:</b>	If involved in a fire, may emit noxious and irritant fumes.
<b>Special Protective Precautions and Equipment for Fire Fighters:</b>	Protective gloves and breathing apparatus.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Personnel involved in the clean up should wear full protective clothing. Avoid accidents, clean up immediately. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area.
<b>Environmental Precautions:</b>	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Reduce airborne dust and prevent scattering by moistening with water.
<b>Methods and Materials for Containment and Clean Up:</b>	Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for safe disposal.

### SECTION 7 HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Handle this product with care to avoid exposure, taking all recommended precautions. Avoid contact with skin, eyes and inhalation vapours. Use personal protective equipment as required. Do not eat, drink or smoke while handling product.
<b>Conditions for Safe Storage (Including Any Incompatibles):</b>	Keep out of reach of children. Store below 30°C (room temperature).

### SECTION 8 EXPOSURE CONTROLS AND 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 protective measures during normal use of the marketed product.

<b>Exposure Limits:</b>	No exposure limits have been assigned for this product or its ingredients.
<b>Biological Monitoring:</b>	No information available on biological limit values for this product.
<b>Control Banding:</b>	Not applicable
<b>Engineering Controls:</b>	Handle in a well ventilated area. Ensure that the work environment remains clean.

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### Individual Protection Measures:

*Eye and Face 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

<b>Appearance:</b>	Greyish, light brown paste
<b>Odour:</b>	Not available
<b>Odour Threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting Point:</b>	Not applicable
<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Flammability:</b>	Non-flammable
<b>Flammability or Explosive Limits:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Vapour Density:</b>	Not available
<b>Relative Density:</b>	Not applicable
<b>Solubility:</b>	Miscible with water
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto Ignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Viscosity:</b>	Not available

### SECTION 10

### STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product is unlikely to react or polymerise under normal storage conditions.
<b>Chemical Stability:</b>	When stored appropriately this product should show no significant degradation within the expiry period shown on the label.
<b>Possibility of Hazardous Reactions:</b>	No data available.
<b>Conditions to Avoid:</b>	Avoid extreme temperatures.
<b>Incompatible Materials:</b>	Oxidising agents.
<b>Hazardous Decomposition Products:</b>	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 oral route. Severely toxic effects may result from the ingestion of abamectin; animal experiments indicate the ingestion of less than 5g may be fatal or may produce serious damage to the health of the individual.

Praziquantel: Oral LD50: 1050 mg/kg (rabbit), 200mg/kg (dog);  
Abamectin: Oral LD50: 8.7-12.8 mg/kg (rat)

Inhalation:

No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as acutely toxic by inhalation route.

Abamectin: Inhalation LC50: 1100mg/m3 (rat)

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.

Abamectin: Skin LD50: 2000mg/kg (rabbit)

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<b>Skin Corrosion/Irritation:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a skin irritant.
<b>Serious Eye Damage/Irritation:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be an eye irritant.
<b>Respiratory or Skin Sensitisation:</b>	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.
<b>Germ Cell Mutagenicity:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be mutagenic.
<b>Carcinogenicity:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be carcinogenic.
<b>Reproductive Toxicity:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a reproductive toxicant. In male rats abamectin exposure has been shown to result in decreased sperm count and motility and increased seminiferous tubule damage. In a reproductive study on pregnant female rats maternotoxicity was observed at dose levels above 1 mg/kg bodyweight a day. Fetotoxicity, consisting of reduced pup survival rates, reduced pup weight growth and retardation became evident at dose levels of 0.5mg/kg bodyweight a day and higher. The NOAEL for fetotoxicity was 0.1mg/kg bodyweight a day.
<b>Specific Target Organ Toxicity – Single Exposure:</b>	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. Studies in dogs have shown that orally administered abamectin can elicit dose-dependent CNS effects, including tremors and ataxia.
<b>Specific Target Organ Toxicity – Repeated Exposure:</b>	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
<b>Aspiration Hazard:</b>	No data available.

### SECTION 12

### ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as HARMFUL to the environment with long lasting effects. <u>Fish:</u> Abamectin: LC50 (96h): 0.0036mg/L, LOEC (chronic): 0.0000093mg/L <u>Crustacea:</u> Abamectin: EC50 (48h): 0.00034mg/L, NOEC (21 days): 0.00003mg/L <u>Algae and other aquatic plants:</u> Abamectin EC50 (96h): 7.3-9.9mg/L <u>Dung beetles:</u> Abamectin is highly toxic to dung beetle larvae, with adult emergence reduced by 55 to 65% from dung collected two and four weeks post-treatment respectively. Abamectin is not toxic to mature egg-laying adults at concentration likely to be found in dung. However, there is increased mortality and impaired development of larvae with sub-lethal effects on the morphology of some species in dung voided within 2-3 weeks of treatment, and increased mortality and delayed reproductive development in newly emerged adults of some species feeding on dung voided within 1 to 2 weeks of treatment. Dung of treated animals is highly toxic to dipteran larvae, inhibiting development for periods of 2 to 8 weeks post-treatment. The duration of these toxic effects on dung insects is consistent with the profile of excretion of the substance in faeces. The substance is also toxic to earthworms (14 day LC50 33 mg/kg soil). <u>Bees:</u> LD50: 0.002ug/bee.
<b>Persistence and Degradability:</b>	No data
<b>Bioaccumulative Potential:</b>	No data
<b>Mobility in Soil:</b>	No data

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### SECTION 13 DISPOSAL CONSIDERATIONS

<b>Disposal Containers and Methods:</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Physical/Chemical Properties that May affect Disposal Options:</b>	No data available
<b>Effects of Sewerage Disposal:</b>	No data available
<b>Special Precautions for Incineration/Landfill:</b>	Contact a specialist disposal company or the local waste regulator for advice. This material may be suitable for approved landfill.

### SECTION 14 TRANSPORT INFORMATION

<b>UN Number:</b>	Not applicable
<b>Shipping Name:</b>	No data available
<b>Transport Hazard Class:</b>	No data available
<b>Packing Group:</b>	No data available
<b>Environmental Hazards for Transport Purposes:</b>	No data available
<b>Precaution for User:</b>	Not applicable
<b>Additional Information:</b>	Not applicable
<b>HAZCHEM or Code:</b>	Not applicable

### SECTION 15 REGULATORY INFORMATION

<b>Poison Schedule (SUSMP):</b>	S5
<b>AICS:</b>	All of the significant ingredients in this formulation are compliant with NICNAS regulations.
<b>APVMA Number:</b>	60824

### SECTION 16 OTHER INFORMATION

**Date of Preparation / Revision:** March 2016

**Changes Made During Revision:**

This SDS is prepared in accordance to the "Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011".

**This SDS contains only safety related information. For other data see product literature.**

**Acronyms/Abbreviations:**

<	less than
>	greater than
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ADG</b>	Australian Dangerous Goods Code
<b>CAS</b>	Chemical Abstracts Service (Registry Number)
<b>CO<sub>2</sub></b>	Carbon Dioxide
<b>COD</b>	Chemical Oxygen Demand
<b>ERMA</b>	Environmental Risk Management Authority
<b>HSNO</b>	Hazardous Substance and New Organism
<b>IATA</b>	International Air Transport Association
<b>IDLH</b>	Immediately Dangerous to Life and Health
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>LC<sub>50</sub></b>	LC stands for lethal concentration. LC <sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
<b>LD<sub>50</sub></b>	LD stands for "Lethal Dose". LD <sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
<b>Misc</b>	miscible
<b>N/A</b>	Not Applicable
<b>NIOSH</b>	National Institute for Occupational Safety and Health

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<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>OECD</b>	Organization for Economic Co-operation and Development
<b>PEL</b>	Permissible Exposure Limit
<b>RCP</b>	Reciprocal Calculation Procedure
<b>STEL</b>	Short Term Exposure Limit
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average
<b>UN</b>	United Nations (number)
<b>cm<sup>2</sup></b>	square centimetres
<b>deg C ( °C )</b>	degrees Celsius
<b>g</b>	gram
<b>g/cm<sup>3</sup></b>	grams per cubic centimetre
<b>g/l</b>	grams per litre
<b>immiscible</b>	liquids are insoluble in each other
<b>kg</b>	kilogram
<b>kg/m<sup>3</sup></b>	kilograms per cubic metre
<b>ltr</b>	Litre
<b>m<sup>3</sup></b>	cubic metre
<b>mPa.s</b>	milli Pascal per second
<b>mbar</b>	millibar
<b>mg</b>	milligram
<b>mg/24H</b>	milligrams per 24 hours
<b>mg/kg</b>	milligrams per kilogram
<b>mg/m<sup>3</sup></b>	milligrams per cubic metre
<b>miscible</b>	liquids form one homogeneous liquid phase regardless of the amount of either component present
<b>mm</b>	millimetre
<b>ppb</b>	parts per billion
<b>ppm</b>	parts per million
<b>ppm/2h</b>	parts per million per 2 hours
<b>ppm/6h</b>	parts per million per 6 hours
<b>tne</b>	tonne
<b>ug/24H</b>	micrograms per 24 hours
<b>wt</b>	weight

This SDS summarises Zoo Pets P/L best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Zoo Pets P/L expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the SDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

**END OF SDS**