

MATERIAL SAFETY DATA SHEET

VALUHEART MONTHLY HEARTWORM TABLETS FOR DOGS

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: VALUHEART MONTHLY HEARTWORM TABLETS FOR DOGS
Other Names: Valuheart Heartworm Prevention, Valuheart
Manufacturer's Product Code: VAL8420, VAL8424, VAL8426
Pack Size/Container Type: Tablets (6) packed in a sealed foil packet (each tablet is individually sealed), packed in outer cardboard carton.
Recommended Use: Tablets for the control of heartworm in dogs.

Company: Value Plus Animal Health Care Products Pty Ltd
Address: 6 Interchange Drive, Eastern Creek NSW 2766
PO Box 335, Horsley Park NSW 2175
Telephone Number: +61 (0)2 886 886 88 (Business Hours Only)
Fax Number: +61 (0)2 886 886 47
Emergency Telephone Number: +61 (0)2 886 886 88 (Mon-Thur 9:00am – 5:00pm, Fri 9:00am – 4:30pm);
Answering machine after hours. General Information.

SECTION 2 HAZARDS IDENTIFICATION

This product is classified as: **Not Hazardous** according to criteria of NOHSC Australia.
Risk Phrases: Harmful to aquatic organisms.
Safety Phrases: None under normal operating conditions.
HSNO Hazard Classification: Harmful to aquatic life.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
Ivermectin	70288-86-7	60 µg / tablet (Small Dog tablet) 120 µg / tablet (Medium Dog tablet) 240 µg / tablet (Large Dog tablet)
Other ingredients determined to be non hazardous		to 100.0

SECTION 4 FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Call 131126 from anywhere in Australia.

Swallowed: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. Contact a doctor or Poisons Information Centre. Show this MSDS to a medical practitioner.

Eye: Rinse eyes thoroughly with running water.

Skin: If skin contact occurs, wash thoroughly with soap and water.

Inhaled: Not normally required. If in doubt, seek medical advice.

Advice to Doctor: No specific advice. Symptomatic and supportive treatment if required.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Non-combustible. Use extinguishing media suited to the environmental materials involved in the fire.

Hazards from Combustion Products: Not available

Special Protective Precautions and Equipment for Fire Fighters: Wear self-contained breathing apparatus and full protective clothing in accordance with normal fire-fighting procedures.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Prevent product from entering drains or water courses.

Methods and Materials for Containment and Clean Up: Sweep or vacuum area avoiding the generation of dusts. Collect and seal in properly labeled containers for disposal. Wipe area with damp cloth.

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SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing.
Conditions for Safe Storage (Including Any Incompatibles): Store in original container, away from foodstuffs. Store below 30°C. Keep away from children.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: Not applicable for normal use
Biological Limit Values: No data available
Engineering Controls: Not applicable for normal use
Personal Protection: RESPIRATOR A respirator is not normally required with use of this product. However, if needed, a respirator that meets Australian Standard AS/NZS 1715 is suitable.
GLOVES Gloves are not normally required with the use of this product. However, if needed, gloves that meet Australian Standard AS 2161 are suitable. Wash hands after use.
EYES Avoid contact with eyes. Protective goggles/glasses may be worn.
CLOTHING No specific clothing is required with the use of this product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Round, white tablets
Odour: Odourless
Vapour Pressure: Not applicable
Vapour Density: Not applicable
Boiling Point: Not applicable
Melting Point: Not applicable
Solubility in Water: Disintegrates in water
Specific Gravity: Not applicable
Flash Point: Non flammable
pH: Not available
Lower Explosion Limit: Non flammable
Upper Explosion Limit: Non flammable
Ignition Temperature: Non flammable

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions of use and storage.
Conditions to Avoid: Keep away from direct sunlight and temperatures over 30°C (room temperature).
Incompatible Materials: No incompatible materials known.
Hazardous Decomposition Products: In severe fire, may give off toxic or irritant fumes.
Hazardous Reactions: Is unlikely to undergo hazardous polymerisation.

SECTION 11 TOXICOLOGICAL INFORMATION

Swallowed: Whilst pure ivermectin is considered highly toxic in acute animal studies, the low concentration in Valuheart Monthly Heartworm Tablets makes toxic effects very unlikely. Doses of up to 200 g/kg bodyweight are tolerated in human therapy with ivermectin. Symptoms of acute ivermectin poisoning include mydriasis, emesis, sedation, tachycardia, urticaria and variable blood pressure.
Eye: May irritate the eyes if contact occurs. Under normal conditions of use, no eye contact would be expected.
Skin: Non irritant.
Inhaled: Under normal conditions of use, no inhalation is expected.

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SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	Ivermectin, when in contact with the soil, tightly binds to the soil and becomes inactive over time.
Persistence and Degradability:	Any residual sunlight will degrade the ivermectin in a short period of time.
Mobility:	Information not available

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal: 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.

Special Precautions for Land Fill or Incineration: Contact a specialist disposal company or the local waste regulator for advice.

SECTION 14 TRANSPORT INFORMATION

UN Number:	None allocated
UN Proper Shipping Name:	None allocated
Dangerous Goods Class:	None allocated
Packing Group:	None allocated
Special Precautions for User:	No special transport requirements
Hazchem Code:	None allocated

SECTION 15 REGULATORY INFORMATION

Poisons Schedule:	5
APVMA Number:	Valuheart Monthly Heartworm Tablets for Small Dogs - BLUE: 66289/53292 Valuheart Monthly Heartworm Tablets for Medium Dogs - GREEN: 66287/53240 Valuheart Monthly Heartworm Tablets for Large Dogs - GOLD: 66288/53261

SECTION 16 OTHER INFORMATION

This product has been manufactured to GMP (Good Manufacturing Practices) standards in a fully licensed facility and is Australian owned and made.

Contact Point: Products Manager, Value Plus Animal Health Care Products Pty Ltd
Phone: +61 (0)2 886 886 88 (Business Hours Only)
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This MSDS is prepared in accordance to the "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)].

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

Acronyms:

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
CO2	Carbon Dioxide
COD	Chemical Oxygen Demand
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
LC50	LC stands for lethal concentration. LC50 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.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the

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	death of 50% (one half) of a group of test animals
Misc	miscible
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (number)
cm²	square centimetres
deg C (°C)	degrees Celsius
g	gram
g/cm³	grams per cubic centimetre
g/l	grams per litre
immiscible	liquids are insoluble in each other
kg	kilogram
kg/m³	kilograms per cubic metre
ltr	Litre
m³	cubic metre
mPa.s	milli Pascal per second
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m³	milligrams per cubic metre
miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
tn	tonne
ug/24H	micrograms per 24 hours
wt	weight

This MSDS summarises Value Plus Animal Health Care Products 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 Value Plus Animal Health Care Products P/L expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the MSDS 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 MSDS