

ISSUED: 19 January 2016

SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	RSPCA Monthly Heartworm Tablets for Small Dogs 6 Tabs RSPCA Monthly Heartworm Tablets for Medium Dogs 6 Tabs RSPCA Monthly Heartworm Tablets for Large Dogs 6 Tabs
Recommended Use:	Tablets for the prevention of heartworm disease in dogs.
Company Identification:	Indyvet Animal Health Products Pty Ltd
Address:	5/42 Owen Creek Rd, Forest Glen, Qld 4556
Customer Centre:	1300 463 983
National Poisons Information Centre:	131126 (Australia-wide)
Emergency Telephone Number:	1300 463 983 (9am-5pm, Monday to Friday)

Section 2: HAZARDS IDENTIFICATION

This product has been assessed according to GHS and is classified as non-hazardous

Hazard Statements:	None
Signal Word:	None
GHS Pictograms:	None
Precautionary Statements:	None

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Ivermectin	70288-86-7	< 0.1%
Ingredients not contributing to the hazards		To 100%

Section 4: FIRST AID MEASURES

- General Information:** Consult the National Poisons Centre on 13 1126 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.
- Inhalation:** If dust, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. 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. 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. For advice, contact the Poisons Information Centre on 13 1126.
- Skin:** If skin contact occurs: Flush with running water (and soap if available). Seek medical attention if irritation persists.
- Eye:** If eye contact occurs: Hold eyelids apart and 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 until advised to stop by the Poisons Information Centre or a doctor, or for at least 20 minutes. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Seek medical attention if irritation persists.

Symptoms and Effects of Exposure: None known.

Recommended First Aid Facilities: Access to running water and eyewash is required.

Advice to Doctor: Contains ivermectin, a macrocyclic lactone.

Section 5: FIRE FIGHTING MEASURES

Flash Point: Not applicable.

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.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Exclude non-essential people from the area. Wear gloves and appropriate protective clothing and dust mask if there is a significant chance that dusts are likely to build up in clean up area. Contain spill and sweep up and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill. In the event of a major spill, 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: Avoid contact with eyes and inhalation of dust.

Storage: Keep out of reach of children. Store below 30°C (room temperature) in a dry place.

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: An exposure limit for the mixture has not been established. An exposure limit for ivermectin has not been established.

Engineering Controls: Not applicable for normal use.

Personal Protective Equipment (PPE):

Eye protection: Protective glasses or goggles are recommended when this product is being handled in bulk.

Skin protection: Protective gloves e.g. PVC are recommended when handling this product.

Respiratory protection: Not required for the normal use of this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Round, white tablets

Vapour Pressure: Not applicable

Odour: Odourless

Vapour Density: Not applicable

Odour Threshold: Not available

Relative Density: Not applicable

pH: Not applicable

Solubility: Disintegrates in water

Melting Point / Freezing point: Not available

Partition Coefficient: Not available

Initial Boiling Point and Boiling Range: Not applicable

**Auto-Ignition
Temperature:** Not available

Flashpoint: Not applicable

Decomposition

Temperature: Not applicable

Evaporation Rate: Not applicable

Viscosity: Not applicable

Upper / Lower Flammability or Explosive Limits: Not available

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: Protect this product from light.

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 not considered to be acutely toxic by the oral route. Whilst pure ivermectin is considered highly toxic in acute animal studies (Ivermectin: Oral LD50 (mouse): 11.6 mg/kg), the low concentration in these products makes toxic effects very unlikely. Doses of up to 200 mcg/kg bodyweight are tolerated in human therapy with ivermectin. Symptoms of acute ivermectin poisoning include mydriasis, emesis, sedation, tachycardia, urticarial and variable blood pressure.

Inhalation: 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 inhalation route and under normal conditions of use inhalation is unlikely.

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: Dermal 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 skin corrosive or irritant.

Serious Eye Damage / Irritation: No data for the mixture is available. Based on available data for the ingredients, the mixture is not classified as eye corrosive or 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 respiratory or skin 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.

RSCPA MONTHLY HEARTWORM TABLETS FOR DOGS

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 not considered to be a reproductive or developmental toxicant or to have any effects on or via lactation. Whilst pure ivermectin has been found to produce toxic effects via lactation in animal studies, the low concentration in these products makes toxic effects very unlikely. Human therapy with ivermectin is not recommended while breast feeding.

STOT: Single 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 single exposure.

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 single exposure.

Aspiration hazard: No data available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Ivermectin is highly toxic to the aquatic environment, earthworms and bees.

LC50 = 0.0032 mg/L (rainbow trout);
 EC50 (48 hours) = 0.00036 mg/L (crustacea).
 LC50 (14 day) = 33 mg/kg soil (earthworm);
 LD50 = 0.002 µg/bee.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation potential	Mobility
Ivermectin	No data available	No data available	LOW	No data available

Section 13: DISPOSAL INFORMATION

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

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

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

Poison Schedule (SUSMP): S5

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 Indvet Animal Health Products Pty Ltd 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 Indvet Animal Health Products Pty Ltd 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 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)

Toxnet, HSDB (Hazardous Substances Data Bank)

This version issued: 19 January 2016 and is valid for 5 years from this date.

END OF SDS