

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) names: Nuheart Soluble Monthly Heartworm Tablets for Medium Dogs 11kg–23kg
Nuheart Soluble Monthly Heartworm Tablets for Small Dogs up to 11kg

Other names: None allocated

Recommended use: For the prevention of heartworm development in dogs.

Supplier Details: Pharmachem
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SECTION 2 HAZARDS IDENTIFICATION

These products are not dangerous goods under the Australian Dangerous Goods Code and are classified as not hazardous according to the classification criteria of NOHSC:1008(2004), Approved Criteria For Classifying Hazardous Substances and the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]:

Health Effects:

These products are in tablet form and although they contain ivermectin, the concentrations present are below the level considered to be harmful by Safework Australia. All other tableting ingredients are non-hazardous.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Cas No.	Proportion
Ivermectin	70288-86-7	<0.1%
Inert tablet base	N/A	to 100%

SECTION 4 FIRST AID MEASURES

The following First Aid directions have been set by the Office of Chemical Safety and Environmental Health (OCSEH) of the Commonwealth Department of Health and Aging:

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126. (*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals*)

However, the following information is also provided to assist in emergencies while implementing the First Aid directions above:

Ingestion: Do not induce vomiting. Give water or milk to drink.
Eyes: Irrigate with copious quantities of water for 15 minutes.
Skin: Wash affected parts with soap and water.
Inhaled: Remove effected person to a well ventilated area with fresh air

Advice To Doctor: Treat symptomatically

SECTION 5 FIRE FIGHTING MEASURES

Products are in tablet form and are considered to be non-combustible.

Suitable extinguishing media:	Use media suitable for surrounding fire
Hazards from combustion products:	None known
Special protective precautions and equipment for fire fighters:	Use precautions and equipment suitable for surrounding fire

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Minimise dust generation. Sweep or vacuum up spilled material, collect and seal in drums for disposal.
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Methods and materials for containment and clean up:	Wash area down with detergent and excess water. Do not allow run-off to enter drains, sewers or waterways.
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SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

The following Safety Directions have been recommended by the Office of Chemical Safety and Environmental Health (OCSEH) and set by the Australian Pesticides and Veterinary Medicines Authority (APVMA):

Poisonous if swallowed. Avoid contact with eyes as will irritate the eyes. Wash hands after use.

Conditions for safe storage, including any incompatibilities:

The following storage directions have been approved for these products by the APVMA:

Store in the tightly closed original container below 30°C (Room Temperature). Protect from light.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards:	None set
Biological limit values:	None set
Engineering controls:	Use with adequate ventilation. Avoid dust generation.
Personal protective equipment:	After use and before eating, drinking or smoking, wash hands thoroughly with soap and water.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Nuheart Soluble Monthly Heartworm Tablets
for Medium Dogs 11kg–23kg: Green, biconvex tablet

Nuheart Soluble Monthly Heartworm Tablets
for Small Dogs up to 11kg: Pink, biconvex tablet

Tablet Size:

Nuheart Soluble Monthly Heartworm Tablets
for Medium Dogs 11kg–23kg: 8.0mm – 8.5mm

Nuheart Soluble Monthly Heartworm Tablets
for Small Dogs up to 11kg: 8.0mm – 8.5mm

Solubility: Soluble in water

SECTION 10 STABILITY AND REACTIVITY

Chemical stability: Stable
Conditions to avoid: None known
Incompatible materials: None known
Hazardous decomposition products: None known
Hazardous reactions: Hazardous polymerisation will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure:

Acute toxicity values for ivermectin are as follows:

LD₅₀ oral (mouse): 25 mg/kg - 29.5 mg/kg

LD₅₀ Oral (dog): ~ 80 mg/kg

LD₅₀ Oral (rat): 50 mg/kg

LD₅₀ Dermal (rabbit): 406 mg/kg

LC₅₀/4h Inhalative: 5.11 mg/l (rat)

SECTION 12 ECOLOGICAL INFORMATION

No ecological information is available at this time

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:

The APVMA has approved the following
disposal directions for containers:

Do not burn unused product or containers. Dispose of empty
pack by wrapping with paper and putting in garbage.

Special precautions for landfill:

Contact local authority before disposing of unused product in
local authority landfill.

SECTION 14 TRANSPORT INFORMATION

These products are not dangerous goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) and are not regulated by specific transport legislation in Australia.

SECTION 15 REGULATORY INFORMATION

These products have been registered by the Australian Pesticides and Veterinary Medicines Authority (APVMA). In granting registration to any product, the APVMA has exercised its legislative responsibility to ensure that the product is suitably formulated and properly labelled and, when used according to instructions is:

- safe to the host, the user, consumers and the environment;
- efficacious (that is, the product does the job it claims it shall do); and
- not unduly prejudicial to trade.

The APVMA uses the services of a number of Australian and State government agencies as advisers to help with some of these evaluations of applications for registration of agricultural and veterinary chemical products. These include:

- the Office of Chemical Safety (OCS) of the Commonwealth Department of Health and Ageing which:
 - evaluates and reports on toxicology and metabolism studies; proposes first aid and safety directions; determines poison schedule classifications; and establishes acceptable daily intakes (ADIs) and acute reference doses (ARfD); and
 - evaluates the occupational health and safety aspects of an application and recommends safety directions and occupational controls on use and advises on a Material Safety Data Sheet (MSDS);
- the Commonwealth Department of the Environment and Heritage (DEH) which evaluates environmental data and recommends appropriate use controls and instructions for the product that will protect the environment; and
- State and Territory departments responsible for agricultural and primary industries which evaluate and reports on efficacy and target crop or animal safety data for new agricultural chemicals and new uses of registered products. In some cases the APVMA contracts this work out to other agencies such as universities, the CSIRO or to other experts.

Although all ingredients appear in the Australian Inventory of Chemical Substances (AICS), they have not been assessed by NICNAS (National Industrial Chemicals Notification and Assessment Scheme)

These products have been placed in Schedule 5 of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) published by the Commonwealth Department of Health and Aging.

SECTION 16 OTHER INFORMATION

MSDS version:	2
Date of Revision:	April 2011
Update of sections:	2, 3, 4, 7, 10, 15, 16

CONTACT POINT

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References:

1. FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals, (as updated)
2. Approved Criteria For Classifying Hazardous Substances, NOHSC:1008 (2004)
3. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)]
4. AICS (Australian Inventory of Chemical Substances), Safework Australia
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, Version 4.1, (as updated)
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, (as updated)
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 7th Edition
8. The Poisons Standard (as updated), National Drugs and Poisons Schedule Committee
9. Hazardous Substances Information System, Safework Australia (as updated)

All information contained in this Material Safety Data Sheet is as accurate and up to date as possible. Since Pharmachem cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Pharmachem will not be responsible for damages of any nature resulting from use of or reliance upon the information. No expressed or implied warranties are given other than those implied as mandatory by Commonwealth State or Territory legislation.