

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name: QUICK-KILL HOME AND KENNEL FLEA SPRAY WITH INSECT GROWTH REGULATOR (I.G.R.)
Other names: None Allocated
Recommended use: For the control of Adult Fleas and their eggs in the home.
Supplier Details: Pharmachem
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SECTION 2 HAZARDS IDENTIFICATION

This product is 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

SKIN: Contact with skin may result in a mild skin irritation
EYES: Contamination of eyes may result in physical irritation
INGESTION: Harmful if swallowed
INHALED: Excess inhalation may cause breathing discomfort

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	Cas No.	Proportion
Permethrin 25:75 cis:trans	52645-53-1	2.5g/L
Methoprene	114-26-1	0.14g/L
Non-hazardous proprietary excipients	N/A	< 40 g/L
Water	N/A	>950 g/L

SECTION 4 FIRST AID MEASURES

The following First Aid directions have been set by the Office of Chemical Safety (OCS) 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)

INGESTION: If poisoning occurs contact a doctor or Poisons Information Centre
EYES: Irrigate with copious quantities of water for 15 minutes. Seek medical assistance if effect persists.
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

This material is considered to be non-combustible

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

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures:
Slippery when wet. Avoid accidents, clean up immediately. Do not allow to enter streams, drains, sewers or waterways.

Methods and materials for containment and clean up:
Use absorbent (soil or sand, inert material, vermiculite). Collect and seal in containers for disposal. Wash area down with detergent and excess water once spilled material has been collected.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

The following Safety Directions have been approved for this product by the APVMA:
Will irritate the eyes. If product in eyes, wash it out immediately with water. Wash hands after use.

Conditions for safe storage, including any incompatibilities:

The following storage directions have been approved for this product by the APVMA:
Store below 30°C (Room Temperature). Store in original container, and out of direct sunlight. Do not reuse container.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards:	None allocated
Biological limit values:	None allocated
Engineering controls:	Use with adequate ventilation.
Personal protective equipment:	Wear standard safety equipment, including rubber gloves and goggles.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A white, free flowing liquid

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	Stable
Conditions to avoid:	None known
Incompatible materials:	Strong oxidizing agents, acids and alkalis
Hazardous decomposition products:	None known
Hazardous reactions:	None known

SECTION 11 TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure

Permethrin:

Note: Toxicity depends on cis-trans ratio of the product.

LD₅₀ Oral (Rat): 430 - 4000 mg kg⁻¹

LD₅₀ Oral (Mouse): 540 - 2700 mg kg⁻¹

LD₅₀ Skin (Rat): > 4000 mg kg⁻¹

LD₅₀ Skin (Rabbit): > 2000 mg kg⁻¹

Methoprene

LD50 Oral (Rat): >34,000 mg/kg (HDT) (Based on (S)-Methoprene)

LD50 Dermal (Rabbit): >2,000 mg/kg (HDT) (Based on (S)-Methoprene)

LC50 Inhalation (Rat) >5.19 mg/L air (Based on (S)-Methoprene)

Skin Irritation: Non-irritating (Rabbit) (Based on (S)-Methoprene)

Eye Irritation: Practically non-irritating (Rabbit) (Based on (S)-Methoprene)

Sensitizer: Not a sensitizer (Guinea Pig) (Based on (S)-Methoprene)

SECTION 12 ECOLOGICAL INFORMATION

Permethrin:

Estimated half-life in the vapour phase (present as particulate matter) 10 h. Estimated half-life in soil 30 d.

The following environmental protection statements have been approved by the APVMA: Dangerous to fish. Do not contaminate drains, sewers or ponds with the chemical or used containers. Cover fish tanks and turn off air pump until room is well ventilated.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:

Dispose of container and sprayer by wrapping in paper, then put in plastic bag and place in garbage.

Special precautions for landfill or incineration:

Contact local government authority for requirements.

SECTION 14 TRANSPORT INFORMATION

Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SECTION 15 REGULATORY INFORMATION

This product has 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)

SECTION 16 OTHER INFORMATION

Date of last revision of the MSDS: April 07

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, March 2005
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)
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, October 2005
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, August 2001
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition
8. Hazardous Substances Information System, Version 1.2.2 (September 2004), Last Updated – November 2005, NOHSC

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.