

Material Safety Data Sheet

A09249/03

Product Name BAYTHROID GARDEN INSECTICIDE SPRAY**Statement of Hazardous Nature**

Not classified as hazardous according to criteria of the National Occupational Health and Safety Commission

Company Address: Bayer Australia Limited Emergency Phone 1800 033 111
 875 Pacific Highway (24 Hrs Toll Free)
 PYMBLE NSW 2073 Phone (02) 9391-6000

Identification**Product Name** BAYTHROID GARDEN INSECTICIDE SPRAY

Issued	1/4/1998	Supersedes			
UN No	1950	Hazardous?	No	Hazchem	2Y
DG Class	2	Poison Schedule	Exempt	Prod. Code	68655
Sub Risk	None	Packing Group	None	EPG No	2D1

Uses For the control of insect pests on ornamentals, vegetables and native plants in the home garden.

Product Descriptor: BAYTHROID AEROSOL 350G

Proper Shipping Name: AEROSOLS (cyfluthrin)

Chemical Characterisation: cyfluthrin
 cyano-(4-fluoro-3-phenoxyphenyl)-methyl-3-(2,2-dichloroethenyl)-2,-2
 dimethyl-cyclopropane carboxylate

Chemical Group: synthetic pyrethroid

Physical Description/Properties

Form: aerosol
 Colour: colourless
 Odour: aromatic
 Vapour Pressure (bar): 3.6-4.0 at 20 degrees C
 7.5-8.1 at 50 degrees C
 Explosive Limits: not explosive under normal conditions of use
 Density (kg/L) : 0.65 at 20/4 degrees C

Ingredients

Chemical	CAS No.	Proportion
Cyfluthrin	68359-37-5	0.02 %
Solvent Ethanol		High
Propellant propane/butane		High
Proportion (% weight/weight): High = 30-60%		

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Health Hazards

Health Effects

No adverse health effects are expected if this product is used in accordance with the label. No specific symptoms of poisoning should be expected.

Chronic: Animal studies have shown no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential.

First Aid

If poisoning occurs contact a doctor or Poisons Information Centre.

Swallowed

If sprayed in mouth give milk or water.

Skin

If sprayed on skin, wash thoroughly with soap and water.

Inhaled

Keep patient warm and rested.

Advice to Doctor

Apply basic aid and decontamination procedures. Treat symptomatically.

Antidote: none known

Precautions for Use

Exposure Standards

NOHSC exposure standards have not been assigned for the active ingredient in the formulation.

Butane: TWA (mg/cubic metre) 1900

This exposure standard is for an eight hour day. Use of this product in the home garden is for short periods only and, moreover, the level of exposure would be unlikely to reach this level.

Engineering Controls

Not applicable.

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Precautions for Use

(Continued)

Personal Protection

Personal Protective Measures:

Avoid contact with eyes, skin and clothing. Do not inhale spray mist or vapour.

Personal Protective Equipment: not required for normal use patterns

Industrial Hygiene:

Do not spray directly on humans, exposed food, food utensils or food preparation areas. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.

Flammability

Protection Against Fire:

Do not puncture or incinerate can. Store at room temperature. Highly flammable. Keep away from naked flame.

Safe Handling Information

Storage

Keep out of reach of children.

Store at normal room temperature. Do not store in sunlight. Contents are under pressure.

Transport

Classification according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

Shipping name: AEROSOLS (cyfluthrin)

Packing group: None UN No: 1950

DG Class: 2 Sub Risk: None Hazchem: 2Y

Dangerous Goods / Hazardous Substances Regulation

This product is subject to the following regulations:

- Australian Code for the Transport of Dangerous Goods by Road and Rail
- State/Territory Storage of Dangerous Goods Regulations
- State/Territory Hazardous Substances Regulations

Spills

Spill from an aerosol is highly unlikely. Should the can develop a leak, place outside in the open away from naked flame until the can is empty.

Disposal

Aerosol can should be completely empty before disposal. Place used can in household rubbish. Do not puncture or incinerate can.

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Safe Handling Information

(Continued)

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products:

Thermal Decomposition:

Hazardous polymerisation will not occur.

Hazardous Decomposition Products: not established

Hazardous reactions: none

Extinguishing Media: water fog

Further Information:

Special firefighting procedures: Wear full protective clothing and self-contained breathing apparatus. Extinguish any possible sources of ignition if safe to do so.

Other Information

Information on Toxicity

LD50 oral (ingestion) - rat: 590 -1189 mg/kg (Bayer) - i.e. toxic

LD50 dermal (skin contact) - rat: >5000 mg/kg (Bayer) - i.e. practically non-toxic

Inhalation LC50 (rat 1x4h test): 496-592 mg/cu m air (Bayer) - i.e. toxic

Eyes: A combination of 0.2 g/kg of cyfluthrin and 0.75 g/kg bitertanol was applied to the conjunctival sac of the eye of a rabbit. No mucosal irritation was observed.

Information on Ecological Effects

Do NOT spray if bees are feeding on flowering plants. Harmful to fish. Cover fish tanks and remove caged birds and pets from treatment area before using product.

Use of Baythroid Garden Insect Spray should be avoided on mite prone crops where the predatory mite (*Phytoseillus persimilis*) has been introduced.

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Product Name BAYTHROID GARDEN INSECTICIDE SPRAY

Contact Point (for non-emergency calls)

Product safety coordinator of Business Group: Crop Protection

Telephone Number: (02) 9391-6000

DISCLAIMER

This Material Safety Data Sheet has been developed according to the WORKSAFE/NOHSC Code of Practice.

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof.

The purpose of this Material Safety Data Sheet is to describe product in terms of their safety requirements.

Bayer Australia Limited makes no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product").

The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to the use of the product.

The physical data shown herein are typical values based on the material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with relevant Federal, State and Local Government regulations.