

# MATERIAL SAFETY DATA SHEET

## Baythroid Garden Insecticide Spray

Date of Issue: October 20, 2002

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

**Product name:** Baythroid Garden Insecticide Spray  
**Other names:** None  
**Product code:** 68655  
**Recommended use:** For the control of insect pests on ornamentals, vegetables and native plants in the home garden.  
**Supplier:** Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022  
**Address:** 391 - 393 Tooronga Road, East Hawthorn  
Victoria 3123, Australia  
**Telephone:** (03) 9248 6888  
**Facsimile:** (03) 9248 6800  
**Website:** [www.bayercropscience.com.au](http://www.bayercropscience.com.au)  
**Contact:** Technical Manager (03) 9248 6888  
**Emergency Telephone Number:** 1800 033 111 – Orica SH&E Shared Services

### 2. HAZARDS IDENTIFICATION

#### NON-HAZARDOUS SUBSTANCE - DANGEROUS GOOD

Not irritating. Highly flammable.

**Hazard designation:** Not classified as hazardous according to the criteria of Worksafe Australia  
**Risk phrases:** Not applicable  
**Safety phrases:** Not applicable  
**ADG classification:** Class 2  
**SUSDP classification:** Exempt

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/L):
Cyfluthrin	[68359-37-5]	0.2
Solvent Ethanol	-	High
Propellant propane/butane	-	High

Proportion (% weight/weight): High = 30-60%

# MATERIAL SAFETY DATA SHEET

## Baythroid Garden Insecticide Spray

Date of Issue: October 20, 2002

---

### 4. FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.**

- Inhalation:** Deliberate inhalation of aerosols is dangerous. If inhalation is accidental irritation of the lungs and airways may be expected. Remove patient to fresh air.
- Skin contact:** If sprayed on skin, wash thoroughly with soap and water.
- Eye contact:** If sprayed in eyes wash eyes thoroughly in clean water for 15 minutes.
- Ingestion:** If sprayed in mouth give milk or water to drink. Do not induce vomiting.
- First Aid Facilities:** Provide washing facilities in the workplace.
- Symptoms:** No specific symptom of poisoning should be expected
- Medical attention:** Apply basic aid and decontamination procedures. Treat symptoms.  
Antidote: none known

### 5. FIRE FIGHTING MEASURES

- Extinguishing media:** Water Fog
- Hazards from combustion products:** Not established
- Precautions for fire fighters:** Wear full protective clothing and self-contained breathing apparatus. Extinguish any possible sources of ignition if safe to do so.

### 6. ACCIDENTAL RELEASE MEASURES

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.

# MATERIAL SAFETY DATA SHEET

## Baythroid Garden Insecticide Spray

Date of Issue: October 20, 2002

---

### 7. HANDLING AND STORAGE

**Handling:** Keep out of reach of children.

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**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

**Personal Protective Equipment:** 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colourless aerosol

**Odour:** Aromatic

**Vapour pressure:** 3.6-4.0 at 20°C  
7.5-8.1 at 50°C

**Vapour density:** Not available

**Boiling point:** Not available

**Freezing/melting point:** Not available

**Solubility:** Not applicable

**Density:** 0.65 at 20/4°C

**pH:** Not available

**Flash Point:** Not available

**Flammability (explosive) limits:** Not explosive under normal conditions of use

**Auto-ignition temperature:** Not available

**Octanol/water partition coefficient:** Not available

**Formulation:** Aerosol

# MATERIAL SAFETY DATA SHEET

## Baythroid Garden Insecticide Spray

Date of Issue: October 20, 2002

---

### 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Hazardous polymerisation:</b>	Hazardous polymerisation will not occur.
<b>Conditions to avoid:</b>	Extreme heat
<b>Incompatible materials:</b>	Not available
<b>Hazardous decomposition products:</b>	Not established

### 11. TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH EFFECTS

<b>Inhalation:</b>	No specific symptom of poisoning should be expected
<b>Skin contact:</b>	No specific symptom of poisoning should be expected
<b>Eye contact:</b>	No specific symptom of poisoning should be expected
<b>Ingestion:</b>	No specific symptom of poisoning should be expected
<b>Other:</b>	None

ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

#### ANIMAL TOXICITY DATA – ACTIVE INGREDIENT:

##### Acute:

<b>Oral toxicity:</b>	LD <sub>50</sub> rat: 590 -1189 mg/kg - i.e. toxic
<b>Dermal toxicity:</b>	LD <sub>50</sub> rat: >5000 mg/kg - i.e. practically non-toxic
<b>Inhalation toxicity:</b>	LC <sub>50</sub> (4 h) rat: 496-592 mg/cu m air - i.e. toxic
<b>Skin irritation:</b>	Not available
<b>Eye irritation:</b>	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.
<b>Sensitisation:</b>	Not available

# MATERIAL SAFETY DATA SHEET

## Baythroid Garden Insecticide Spray

Date of Issue: October 20, 2002

---

### **Chronic:**

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

## 12. ECOLOGICAL INFORMATION

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 plants where the predatory mite (*Phytoseillus persimilis*) has been introduced.

**Fish toxicity:** Not available

**Daphnia toxicity:** Not available

**Toxicity to algae:** Not available

**Bird toxicity:** Not available

**Bee toxicity:** Not available

**Other:** None

**Environmental fate, persistence and degradation:** Not available

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**UN number:** 1950  
**Proper shipping name:** AEROSOLS (cyfluthrin)  
**Class and** 2  
**Subsidiary Risk:**  
**Packing Group:** None  
**EPG:** 2D1  
**Hazchem code:** 2Y

## 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

# MATERIAL SAFETY DATA SHEET

## Baythroid Garden Insecticide Spray

Date of Issue: October 20, 2002

---

National Registration Authority Approval Number: 39850

### 16. OTHER INFORMATION

**Trademark information:** Baythroid® is a Registered Trademark of Bayer

**Preparation information:** Replaces April 13, 2002 edition.  
Reason for update: Conversion to 16 heading format.

**Data sources:** Bayer CropScience Pty Ltd product safety data and published data

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

END OF MSDS