

MATERIAL SAFETY DATA SHEET

Baythroid Lawn Grub and Garden Insecticide

Date of Issue: October 20, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Baythroid Lawn Grub and Garden Insecticide

Other names: None

Product code: 67951

Recommended use: Insecticide for the control of lawn pests as specified on the label.

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

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

Will irritate eyes and skin. Not 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 3

SUSDP classification: Schedule 5 (Standard for the Uniform Scheduling of Drugs and Poisons)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/L):
Cyfluthrin	[68359-37-5]	12.5
Emulsifiers	-	Med
Teric GN 15	-	Low
Hydrocarbons	-	Very High

Proportion (% weight/weight): V High = >60%; Med =10-29%; Low = 1-9%

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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:** Not available
- Skin contact:** Remove contaminated clothing and wash affected areas with soap and water.
- Eye contact:** If in eyes hold eyes open and flood with water for at least 15 minutes and see a doctor.
- Ingestion:** If swallowed do NOT induce vomiting. Give a glass of water.
- First Aid Facilities:** Provide washing facilities in the workplace.
- Symptoms:** No specific symptoms of poisoning should be expected.
- Medical attention:** Apply basic aid and decontamination procedures. Treat symptomatically. Antidote: none known

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Water fog (if unavailable fine water spray may be used)
- Hazards from combustion products:** If involved in a fire: hydrogen chloride gas, hydrogen fluoride, oxides of nitrogen may be emitted.
- Precautions for fire fighters:** No specific precautions

6. ACCIDENTAL RELEASE MEASURES

Soak up spill with sand or soil. Clean affected area by flushing with water.

7. HANDLING AND STORAGE

- Handling:** Keep out of reach of children.
- Storage:** Do not store in direct sunlight. Store in closed original container in a cool, dry place.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards:	NOHSC exposure standards have not been assigned for the active ingredient. Xylene TWA 350 mg/cubic metre
Engineering controls:	Not applicable.
Personal Protective Equipment:	Personal Protective Measures: Avoid contact with eyes, skin and clothing. Do not inhale vapours from the product or spray mist. Prolonged minor exposure may cause irritation. Personal Protective Equipment: When preparing the spray wear elbow-length PVC gloves. Industrial Hygiene: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves with detergent and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid
Odour:	Slight characteristic smell
Vapour pressure:	Not available
Vapour density:	Not available
Boiling point:	Approximately 139 degrees C
Freezing/melting point:	Not available
Solubility:	Emulsifiable
Density:	Approximately 0.82 g/cu. cm
pH:	Not available
Flash Point:	36°C
Flammability (explosive) limits:	Not available
Auto-ignition temperature:	Not available
Octanol/water partition coefficient:	Not available
Formulation:	Liquid

10. STABILITY AND REACTIVITY

Chemical stability:	Product is stable. Not flammable under normal conditions of use.
Hazardous polymerisation:	Hazardous polymerisation will not occur.
Conditions to avoid:	Keep away from sources of ignition.

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Incompatible materials: Avoid strong oxidising agents.

Hazardous decomposition products: If involved in a fire: hydrogen chloride gas, hydrogen fluoride, oxides of nitrogen may be emitted.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: Not available

Skin contact: Will irritate the skin.

Eye contact: Will irritate the eyes.

Ingestion: Not available

Other: None

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

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Acute:

Oral toxicity: LD₅₀ rat: 5000 mg/kg i.e. practically non-toxic

Dermal toxicity: LD₅₀ rat: 5000 mg/kg i.e. practically non-toxic

Inhalation toxicity: Not available

Skin irritation: Moderately irritant – rabbit

Eye irritation: Moderately irritant – rabbit

Sensitisation: Not available

Chronic:

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

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12. ECOLOGICAL INFORMATION

Dangerous to fish. Cover fish tank or ponds before use. Do NOT allow chemical containers or spray to get into drains, sewers, streams or ponds. Dangerous to bees and other beneficial insects. Do NOT spray on any plants in flower while bees are foraging.

Fish toxicity: Dangerous to fish

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

Dispose of rinsed empty container by placing in household rubbish.

14. TRANSPORT INFORMATION

UN number: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. CONTAINS LIQUID HYDROCARBONS

Class and 3

Subsidiary Risk:

Packing Group: III

Hazchem code: 2 [S]

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority Approval Number: 46193

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16. OTHER INFORMATION

Trademark information: Baythroid® is a Registered Trademark of Bayer

Preparation information: Replaces May 23, 2001 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