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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number:</th>
<th>Concentration (g/L):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyfluthrin</td>
<td>[68359-37-5]</td>
<td>12.5</td>
</tr>
<tr>
<td>Emulsifiers</td>
<td>-</td>
<td>Med</td>
</tr>
<tr>
<td>Teric GN 15</td>
<td>-</td>
<td>Low</td>
</tr>
<tr>
<td>Hydrocarbons</td>
<td>-</td>
<td>Very High</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Not available</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Will irritate the skin.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Will irritate the eyes.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Not available</td>
</tr>
<tr>
<td>Other</td>
<td>None</td>
</tr>
</tbody>
</table>

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

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

#### Acute:

- **Oral toxicity**: LD$_{50}$ rat: 5000 mg/kg i.e. practically non-toxic
- **Dermal toxicity**: LD$_{50}$ 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.
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 Subsidiary Risk: 3
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
16. OTHER INFORMATION

Trademark information: Baythroid® is a Registered Trademark of Bayer


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