

# MATERIAL SAFETY DATA SHEET

## Maxforce® Gold Gel Insecticide

Date of Issue: October 15, 2002

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

**Product name:** Maxforce® Gold Gel Insecticide

**Other names:** None

**Product code:** AE F124964 00 1P01 A1

**Recommended use:** For use in the control of cockroaches in domestic and commercial situations.

**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 6854

**Emergency Telephone Number:** 1800 033 111 – Orica SH&E Shared Services

### 2. HAZARDS IDENTIFICATION

**NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD**  
May 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:** This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**SUSDP classification:** Exempt

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/kg):
Fipronil	[120068-37-3]	0.3
1,2 - Benzisothiozalin	[2634-33 5]	2.5 approx
Other ingredients	(non hazardous)	997.2

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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 applicable.
- Skin contact:** Remove contaminated clothing. Wash affected areas with plenty of soap and water.
- Eye contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Seek medical assistance.
- Ingestion:** If swallowed immediately contact a doctor or Poisons Information Centre (telephone: 13 11 26) and follow the advice given. Keep under medical supervision.
- First Aid Facilities:** Ensure washing facilities are available.
- Symptoms:** No specific symptoms are anticipated from exposure to this product.
- Medical attention:** Fipronil is a reversible gamma-aminobutyric (GABA) receptor inhibitor. During intoxication it will induce neurological stimulation with possible convulsions. Treat symptoms. No specific antidote known. Phenobarbital, and to a lesser extent, benzodiazepines, have been shown experimentally to be effective in preventing convulsions induced by fipronil. Due to slow absorption of fipronil through the gut, symptoms of intoxication may be delayed several hours to one day. Absorption may be decreased by the use of gastric lavage, saline purgative and activated charcoal (possible entero-hepatic recirculation). Continue monitoring - due to the slow elimination of the compound.
- Other First Aid:** DO NOT attempt to give anything by mouth to a semi-conscious or unconscious person.

### 5. FIRE FIGHTING MEASURES

- Extinguishing media:** Extinguish fire using: Carbon dioxide, Dry agent, Water spray, Foam
- Hazards from combustion products:** Not available

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**Precautions for fire fighters:** Full protective gear, including self-contained breathing apparatus (AS 1716), must be worn.  
Contain run-off. Keep people away and upwind.

### 6. ACCIDENTAL RELEASE MEASURES

Dealing with spills and disposal may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn:

- \* Cotton overalls buttoned to the neck and wrist
- \* Waterproof gloves

CONTAIN SPILL, sweep up or shovel and place in properly labelled sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority.

### 7. HANDLING AND STORAGE

**Handling:** Keep out of reach of children. Avoid contact with eyes, skin and clothing. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

**Storage:** Store in the closed original container in a cool, well ventilated, locked place out of the reach of children. Do not store in direct sunlight.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure standards:** No occupational exposure standards have been established for the product or its ingredients.

**Engineering controls:** Control process conditions to avoid contact.

**Personal Protective Equipment:**

Eyes:	Not normally required. Avoid touching eyes while handling product.
Clothing:	Avoid skin contact; full-length work clothes should be worn when using this product.
Gloves:	Avoid contact with skin; wear waterproof gloves.
Respiratory:	Not required.
Other:	None

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid, brown with small dark specks gel.  
**Odour:** Odourless  
**Vapour pressure:**  $2.8 \times 10^{-9}$  mm Hg at 25°C (technical fipronil)  
**Vapour density:** Not available

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<b>Boiling point:</b>	Not available
<b>Freezing/melting point:</b>	195.5 - 203°C (technical fipronil)
<b>Solubility:</b>	~2 mg/L (technical fipronil)
<b>Density:</b>	1.64 at 20°C (technical fipronil)
<b>Molecular weight:</b>	437.2 (fipronil)
<b>Flash Point:</b>	Not available – not flammable
<b>Flammability (explosive) limits:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not available
<b>Octanol/water partition coefficient:</b>	Not available
<b>Formulation:</b>	Gel for use as an insecticidal bait for the control of cockroaches

### 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use. No dangerous reaction known under normal conditions.
<b>Hazardous polymerisation:</b>	None
<b>Conditions to avoid:</b>	Extreme heat and fire
<b>Incompatible materials:</b>	None known
<b>Hazardous decomposition products:</b>	Thermal decomposition may produce toxic by-products of carbon and nitrogen.

### 11. TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH EFFECTS

<b>Inhalation:</b>	Not applicable
<b>Skin contact:</b>	May irritate the skin – not classified as an irritant.
<b>Eye contact:</b>	May irritate the eyes – not classified as an irritant.
<b>Ingestion:</b>	The product exhibits low toxicity by the oral route.
<b>Other:</b>	None

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### ANIMAL TOXICITY DATA – PRODUCT:

#### **Acute:**

Goliath Cockroach Gel (similar product)

**Oral toxicity:** LD<sub>50</sub> rat: >5000 mg/kg

**Dermal toxicity:** LD<sub>50</sub> rat: >5000 mg/kg

#### **Inhalation**

**toxicity:** LC<sub>50</sub> (4 h) rat: 0.682 mg/L (technical fipronil)

**Skin irritation:** Not available

**Eye irritation:** Not available

**Sensitisation:** Not available

#### **Chronic:**

In a chronic toxicity study, rats receiving the highest dose of fipronil showed an increased incidence of thyroid tumors. The rat thyroid gland is very sensitive to chemicals and functions differently from the human thyroid, and therefore, fipronil is not considered to pose an increased risk of cancer to humans. Similar studies in mice and dogs did not show an increased incidence of thyroid tumors. Fipronil is not mutagenic and not teratogenic.

## 12. ECOLOGICAL INFORMATION

Harmful to aquatic life. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**Fish toxicity:** LC<sub>50</sub>: 0.34 mg/L Japanese carp (technical fipronil)

**Daphnia toxicity:** LC<sub>50</sub>: 19 µg/L daphnia (technical fipronil)

**Toxicity to algae:** Not available

**Bird toxicity:** LD<sub>50</sub>: >2150 mg/kg mallard duck (technical fipronil)

**Bee toxicity:** Not available

**Other:** Non-toxic to earthworms.

**Environmental  
fate, persistence**

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**and degradation:** Harmful to aquatic life. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

### 13. DISPOSAL CONSIDERATIONS

Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage. DO NOT burn empty containers or product.

### 14. TRANSPORT INFORMATION

**UN number:** Not applicable

**Proper shipping name:** Not applicable

**Class and Subsidiary Risk:** This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Packing Group:** Not applicable

**EPG:** Not applicable

**Hazchem code:** Not applicable

### 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority approval number: 55553 ?

### 16. OTHER INFORMATION

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

**Preparation information:** Replaces August 22, 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.

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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