

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

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Victoria 3123, Australia

Telephone: (03) 9248 6888

Facsimile: (03) 9248 6800

Website: 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: 2.8×10^{-9} mm Hg at 25°C (technical fipronil)
Vapour density: Not available

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

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

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ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Goliath Cockroach Gel (similar product)

Oral toxicity: LD₅₀ rat: >5000 mg/kg

Dermal toxicity: LD₅₀ rat: >5000 mg/kg

Inhalation

toxicity: LC₅₀ (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: LC₅₀: 0.34 mg/L Japanese carp (technical fipronil)

Daphnia toxicity: LC₅₀: 19 µg/L daphnia (technical fipronil)

Toxicity to algae: Not available

Bird toxicity: LD₅₀: >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