

MATERIAL SAFETY DATA SHEET

Maxforce® Gold Gel Insecticide



Date of Issue: June 17th, 2011

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Maxforce® Gold Gel Insecticide
Other names: None
UVP: 05946824
Chemical group: Nitrile
Recommended use: Insecticide
Formulation: Bait (ready-for-use) RB
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
Technical Information Service: 1800 804 479
Facsimile: (03) 9248 6800
Website: www.bayeres.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

Harmful to aquatic organisms, may cause long-term effects in the aquatic environment.
May irritate eyes and skin.

Hazard designation: Non-hazardous (National Occupational Health and Safety Commission - NOHSC)

Risk phrases: Not applicable

Safety phrases: See sections 4, 5, 6, 7, 8, 10, 13

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.

SUSMP classification: Exempt (Standard for the Uniform Scheduling of Medicine and Poisons)

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
2-(2-Butoxyethoxy)ethanol	[112-34-5]	5.0
Other ingredients	(non hazardous)	992.2

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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:** Due to the nature of this product inhalation is unlikely.
- Skin contact:** Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.
- Eye contact:** In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Ingestion:** Do NOT induce vomiting. Call a physician or poison control center immediately.
- First Aid Facilities:** Ensure washing facilities are available.
- Medical attention:** Symptoms:
Restlessness, anxiety, tremors.
- Treatment
Carefully monitor the respiratory functions.
There is no specific antidote.
In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens.
Give oxygen or artificial respiration if needed.
Keep respiratory tract clear.
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
Symptoms of poisoning may only appear several hours later.
Keep under medical supervision for at least 48 hours.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Water spray
Carbon dioxide (CO₂)
Foam
Dry powder
- Specific hazards during fire fighting:** In the event of fire the following may be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphur oxides
Hydrogen chloride (HCl)
Hydrogen fluoride (HF)
- Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus.

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Further information: Contain the spread of the fire-fighting media.
Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with spilled product or contaminated surfaces.

Environmental precautions: Do not allow to get into surface water, drains and ground water.

Methods for cleaning up: The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Collect and transfer the product into a properly labelled and tightly closed container.

Additional advice: Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling: No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Storage: Requirements for storage areas and containers
Store in a place accessible by authorized persons only.
Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage: Keep away from food, drink and animal feedingstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Control parameters	Update	Basis
Fipronil	120068-37-3	0,035 mg/m ³		OES BCS*

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

Personal protective equipment: In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection: No personal respiratory protective equipment normally required.

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- Hand protection:** Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
- Eye protection:** Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
- Skin and body protection:** Light protective clothing.
- Hygiene measures:** Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:**
- Form:** Gel
- Colour:** Brown
- pH:** 6.5 at 1 %
Suspension in water
- Flashpoint:** > 100 °C
- Density:** approx. 1,23 g/cm³ at 20 °C

10. STABILITY AND REACTIVITY

- Hazardous reactions:** No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

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

ANIMAL TOXICITY DATA – PRODUCT:

- Acute oral toxicity:** LD₅₀ rat: >5000 mg/kg

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Acute dermal toxicity:	LD ₅₀ rat: >5000 mg/kg
Inhalation toxicity:	LC ₅₀ (4 h) rat: 0.682 mg/L The value mentioned relates to the active ingredient.
Skin irritation:	Slight irritant effect – rabbit, does not require labelling
Eye irritation:	Slight irritant effect – rabbit, does not require labelling
Sensitisation:	Not a skin sensitizer

Other information:

In a chronic toxicity study, rats receiving the highest dose of fipronil showed an increased incidence of thyroid tumours. 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 tumours. Fipronil is not mutagenic and not teratogenic.

12. ECOLOGICAL INFORMATION

Fish toxicity:	LC ₅₀ (96 h) 85 mg/L (Bluegill sunfish) The value mentioned relates to the active ingredient. LC ₅₀ (96 h) 248 mg/L (Rainbow trout <i>Oncorhynchus mykiss</i>) The value mentioned relates to the active ingredient.
Daphnia toxicity:	LC ₅₀ (48 h) 0.19 mg/L (<i>Daphnia magna</i>) The value mentioned relates to the active ingredient.
Toxicity to algae:	EC ₅₀ (96 h) 0.068 mg/L (<i>Scenedesmus subspicatus</i>) The value mentioned relates to the active ingredient.
Bird toxicity:	LD ₅₀ >2000 mg/kg (Mallard duck) The value mentioned relates to the active ingredient.
Bee toxicity:	Highly toxic to honeybees both by direct contact and by ingestion.
Other:	Non-toxic to earthworms.
Environmental fate, persistence and degradation:	Fipronil is readily degraded in soil.

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.

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14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1994.

Australian Pesticides and Veterinary Authority Approval Number: 55553.

16. OTHER INFORMATION

Trademark information: Maxforce® is a Registered Trademark of Bayer

Preparation information: Replaces September 18th, 2006 edition.
Reason for update: Renewal due.

Data sources: Bayer CropScience product safety data sheet.

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