Bayer Environmental Science
Safety Data Sheet
Maxforce® Gold Gel Insecticide

Version / AUS
102000015030

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SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	**Maxforce® Gold Gel Insecticide**
Other names:	None
Product code (UVP):	79509820
Recommended use:	Insecticide
Chemical formulation:	Bait (ready for use) (RB)
Company:	Bayer CropScience Pty. Ltd. ABN 87 000 226 022 391-393 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:	(03) 9248 6888 Technical Manager
Emergency telephone no.:	1800 033 111 Orica SH&E Shared Services

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS

Hazardous classification:	Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).
R-phrase(s):	None allocated.
S-phrase(s):	See sections 4, 5, 6, 7, 8, 10, 13.
ADG Classification:	Not “dangerous goods” for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. - See Section 14.
SUSMP classification (Poison Schedule):	Exempt (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Fipronil 0.3 g/kg

Chemical Name	CAS-No.	Concentration [%]
Fipronil	120068-37-3	0.03
1,2-Benzisothiazol-3(2H)-one	2634-33-5	> 0.05 - < 5.00
Mixture of 5-Chlor-2-methyl-3(2H)-isothiazolon and 2-Methyl-2H-isothiazol-3-on	55965-84-9	> 0.0015 - < 0.06
Other ingredients (non-hazardous) to 100 %		

SECTION 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 Safety Data Sheet to the doctor.

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.

Notes to physician

Symptoms
The following symptoms may occur: 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.
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.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Water spray
Carbon dioxide (CO_2)
Foam
Dry powder

Hazards from combustion products
In the event of fire the following may be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphur oxides
Hydrogen chloride (HCl)
Hydrogen fluoride

Precautions for fire-fighting
In the event of fire, wear self-contained breathing apparatus.
Contain the spread of the fire-fighting media.
Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 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, sawdust).
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.

SECTION 7. HANDLING AND STORAGE

Handling

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.

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.

SECTION 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 (TWA)		OES BCS

For further details on the Occupational Exposure Standards, see Section 16.

Personal protective equipment - End user

General advice: No special protective equipment required.
Hand protection: Elbow-length PVC or nitrile gloves are recommended.

Skin and body protection: Cotton overall buttoned to the neck and wrist is recommended.

Engineering controls
Advice on safe handling:
No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form:	Gel
Colour:	Brown
Odour:	Weak, characteristic

Safety data

pH:	5.0 - 7.0 at % (23 °C)
Flash point:	No data available
Ignition temperature:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	ca. 1.18 g/cm³ at 20 °C
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation:	Inhalation unlikely.
Skin:	May cause slight irritation.
Eye:	May cause mild irritation to eyes.
Ingestion:	May be harmful if swallowed.

Animal toxicity studies

Acute oral toxicity:	LD_{50} (rat) > 2,000 mg/kg The information is derived from the properties of the individual components.
Acute dermal toxicity:	LD_{50} (rat) > 2,000 mg/kg The information is derived from the properties of the individual components.
Skin irritation:	Slight irritant effect - does not require labelling (rabbit). The information is derived from the properties of the individual components.
Eye irritation:	Slight irritant effect - does not require labelling (rabbit). The information is derived from the properties of the individual components.
Sensitisation:	Sensitizing. OECD Test Guideline 406, Buehler test The information is derived from the properties of the individual components.

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.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish:	LC_{50} (*Oncorhynchus mykiss* (Rainbow trout)) 0.25 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient fipronil.
Toxicity to aquatic invertebrates:	EC_{50} (*Daphnia magna* (Water flea)) 0.19 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient fipronil.
Toxicity to aquatic plants:	EC_{50} (*Scenedesmus subspicatus*) 0.068 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient fipronil.
Bioaccumulation:	(*Lepomis macrochirus* (Bluegill sunfish)) Bioconcentration factor (BCF): 321 The value mentioned relates to the active ingredient fipronil.

SECTION 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.

SECTION 14. TRANSPORT INFORMATION

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

SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 55553.

See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information

Maxforce® is registered trademark of the Bayer Group.

This SDS 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 SDS 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.

Further details on the Occupational Exposure Standards mentioned in Section 8:

CEILING: Ceiling Limit Value
OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"
PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS