

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

1/9

Revision Date: 24.02.2023

Version 1 / NZ

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name MAXFORCE GOLD GEL INSECTICIDE
Product code (UVP) 79509820

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Insecticide
EPA Approval HSR000821

1.3 Details of the supplier of the safety data sheet

Importer/distributor Garrards (NZ) Ltd
Unit 4/27B Cain Road
Penrose
Auckland 0627
New Zealand
Telephone: 09 526 5232
www.garrards.co.nz

1.4 Emergency telephone numbers

Emergency Number **For specialist advice in an emergency call +64 9801 0034 or 0800 425 459 toll free.**
The toll free phone number is possibly accessible, but not guaranteed from payphones within New Zealand and is not accessible from outside of New Zealand.

National Poisons Centre 0800 764 766 [0800 POISON]

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classified as hazardous according to the criteria in the Hazardous Substances (Hazard Classification) Notice 2020

Hazardous to the aquatic environment, chronic Category 3
H412 Harmful to aquatic life with long-lasting effects .
Hazardous to terrestrial invertebrates.

2.2 Label elements

Labelling in accordance with Hazardous Substances (Labelling) Notice 2017

Pictograms



SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

2/9

Revision Date: 24.02.2023

Version 1 / NZ

Signal word: Warning

Hazard statements

H412 Harmful to aquatic life with long lasting effects.
Very toxic to terrestrial invertebrates.

Precautionary statements

P103 Read label before use.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Bait (ready to use) containing Fipronil 0.3 g/kg

Hazardous components

Name	CAS-No.	Conc. [%]
Fipronil	120068-37-3	0.03
1,2-Benzisothiazol-3(2H)-one	2634-33-5	> 0.05 - < 5.0
Mixture of 5-chloro2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one	55965-84-9	> 0.0015 - < 0.06
Other ingredients	Proprietary	To balance

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice If medical advice is needed, have product container or label at hand. Contact the National Poisons Centre 0800 764 766 (0800 POISON]. Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Inhalation Unlikely to be exposure route.

Skin contact Immediately wash with plenty of soap and water, if available with polyethyleneglycol 400, then rinse with water.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Do NOT induce vomiting. Call a doctor or National Poisons Centre immediately for advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms Following symptoms may occur: Restlessness, anxiety, tremors.

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

3/9

Revision Date: 24.02.2023

Version 1 / NZ

4.3 Indication of any immediate medical attention and special treatment needed

Risks	No information.
Treatment	Treat symptomatically. There is no specific antidote. Monitor: respiratory functions. 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 appear several hours later. Keep under medical supervision for at least 48 hours.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	Use water spray, alcohol-resistant foam, dry chemical, sand.
Unsuitable	High volume water jet.

5.2 Special hazards arising from the substance or mixture	In the event of a fire, hazardous compounds/gases may be released, e.g. carbon monoxide, nitrogen oxides, sulphur oxides, hydrogen chloride, hydrogen fluoride.
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5.3 Advice for firefighters

Special protective equipment for firefighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
Further information	Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions	Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. Use personal protective equipment.
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6.2 Environmental precautions	Contain spillage. Do not allow to get into surface water, drains and ground water.
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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	The form of the product makes a spillage unlikely. 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 for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.
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Additional advice	Comply with any local regulations.
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SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

4/9

Revision Date: 24.02.2023

Version 1 / NZ

6.4 Reference to other sections	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.
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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Read label before use.
Advice on protection against fire and explosion	No specific information.
Hygiene measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing immediately and wash before reuse. Do not eat, drink or smoke when using.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Keep out of reach of children. Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Keep away from direct sunlight. Storage of more than 1000 kg requires signage, secondary containment and an emergency response plan.
Advice on common storage	Keep away from food, drink and animal feeding stuffs.
Suitable materials	LDPE (low density polyethylene), Polypropylene-foil (PP)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Exposure	Basis
Fipronil	120068-37-3	0.035 mg/m ³ (TWA)	Inhalation	OES BCS*
-	-	-	-	NZ TWA**

*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

** NZ Workplace exposure standards and biological exposure indices, WORKSAFE, ed.13, April 2022

8.2 Exposure controls

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

Respiratory protection is not required under anticipated circumstances of exposure.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

5/9

Revision Date: 24.02.2023

Version 1 / NZ

Hand protection	<p>Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.</p> <p>Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.</p> <table><tr><td>Material</td><td>Nitrile rubber</td></tr><tr><td>Rate of permeability</td><td>> 480 min</td></tr><tr><td>Glove thickness</td><td>> 0.4 mm</td></tr><tr><td>Protective index</td><td>Class 6</td></tr><tr><td>Directive</td><td>Protective gloves complying with relevant standard</td></tr></table>	Material	Nitrile rubber	Rate of permeability	> 480 min	Glove thickness	> 0.4 mm	Protective index	Class 6	Directive	Protective gloves complying with relevant standard
Material	Nitrile rubber										
Rate of permeability	> 480 min										
Glove thickness	> 0.4 mm										
Protective index	Class 6										
Directive	Protective gloves complying with relevant standard										
Eye protection	Wear chemical goggles.										
Skin and body protection	<p>Wear standard coveralls. If there is a risk of significant exposure, consider a higher protective type suit.</p> <p>Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.</p> <p>If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.</p>										
General information	<p>The following Standards provide general advice regarding safety clothing and equipment:</p> <p>Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210</p>										

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Brown gel
Odour	Weak, characteristic
Odour threshold	No information
pH	5.0 - 7.0 (1% aqueous) (23 °C)
Freezing point	No information
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Relative density	ca. 1.18 g/cm ³ at 20 °C
Solubility	No information

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

6/9

Revision Date: 24.02.2023

Version 1 / NZ

Partition coefficient: n-octanol/water No information

Auto-ignition temperature No information

Decomposition temperature No information

Viscosity, dynamic No information

Particle characteristics No information

9.2 Other information Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No hazardous reactions when stored and handled according to prescribed instructions.

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Store only in original container.

10.6 Hazardous decomposition products No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity Not classified.

Acute inhalation toxicity Not classified.

Acute dermal toxicity Not classified.

Skin irritation Slightly irritating.

Eye irritation Slightly irritating.

Respiratory sensitisation Not classified

Skin sensitisation Sensitizing but mixture is not classified according to HSNO approval.

Aspiration hazard Based on available data, the classification criteria are not met.

Assessment mutagenicity

Fipronil is not mutagenic nor genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Fipronil caused an increased incidence of tumours in rats in the following organ(s): Thyroid. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

Assessment toxicity to reproduction

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

7/9

Revision Date: 24.02.2023

Version 1 / NZ

Fipronil caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Fipronil is related to parental toxicity.

Assessment developmental toxicity

Fipronil did not cause developmental toxicity in rats and rabbits.

Assessment of toxicity by lactation

Not classified.

Assessment STOT Specific target organ toxicity – single exposure

Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity – repeated exposure

Fipronil caused specific target organ toxicity in experimental animal studies in the following organ(s): Liver. Fipronil caused neurobehavioral effects and/or neuropathological changes in animal studies.

Toxicological data

Oral LD50 (Rat) >2,000 mg/kg

Dermal LD50 (Rat) > 2,000 mg/kg

Further information

Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Hazard classification

Harmful to aquatic life with long lasting effects.
Very toxic to terrestrial invertebrates.

Toxicity to fish

LC50 (*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

EC50 (*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

EC50 (*Desmodesmus subspicatus* (green algae)) 0.068 mg/l
Exposure time: 72 h
The value mentioned relates to the active ingredient Fipronil.

12.2 Persistence and degradability

Biodegradability

Fipronil:
Not rapidly biodegradable.

Koc

Fipronil: 427 - 1278

12.3 Bioaccumulative potential

Bioaccumulation

Fipronil: BCF 321
Does not bioaccumulate

12.4 Mobility in soil

Mobility in soil

Fipronil: Slightly mobile in soil.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment

Imidacloprid: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

8/9

Revision Date: 24.02.2023

Version 1 / NZ

12.6 Other adverse effects

Additional ecological information No further ecological information is available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Contaminated packaging Triple rinse containers. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.

SECTION 14: TRANSPORT INFORMATION

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

ADR/RID/ADN

14.1 UN number **Non-regulated**
14.2 Proper shipping name

14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environm. Hazardous Mark
Hazchem Code

IMDG

14.1 UN number **Non-regulated**
14.2 Proper shipping name

14.3 Transport hazard class(es)
14.4 Packing group
14.5 Marine pollutant

IATA

14.1 UN number **Non-regulated**
14.2 Proper shipping name

14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environ. Hazardous Mark

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

SAFETY DATA SHEET

MAXFORCE GOLD GEL INSECTICIDE

9/9

Revision Date: 24.02.2023

Version 1 / NZ

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Act 1996

HSNO substance No. HSR000821
HSNO Controls See www.epa.govt.nz

ACVM Act 1996

ACVM registration No. Exempt
ACVM conditions See www.foodsafety.govt.nz

Other product approvals Approved Maintenance Compound Type D-8

SECTION 16: OTHER INFORMATION

Date issued: 24th February 2023

Reason for issue: Change is supplier and 5-yearly review, update to GHS

Replaces:

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TWA	Time weighted average
UN	United Nations
WHO	World Health organisation

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.