

# Safety Data Sheet

**BASF Safety Data Sheet**

Date / Revised: 19.03.2008 Version: 1.10 (30363475/SDS\_CPA\_EU/EN) NZ 7142  
Product: GOLIATH® COCKROACH GEL

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## 1. Substance / preparation and company identification

### GOLIATH® COCKROACH GEL

Company:

BASF New Zealand Limited  
3 Airpark Drive, Airport Oaks, Manukau,  
P.O. Box 407, Auckland 1140.  
Phone: + 64 9 255 4300  
Fax: + 64 9 255 4307  
E-mail address: reception.nz@basf.com

Emergency information:

**National Poisons Centre: 0800 764 766**

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

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## 2. Hazard identification

Hazard Classification:

9.1C 9.4B

Priority Identifier:

Warning. Keep out of reach of children

Secondary Identifiers:

9.1C Harmful to aquatic life with long lasting effects.

9.4B Toxic to terrestrial invertebrates. Insecticide.

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## 3. Composition/information on ingredients

Chemical nature

Insecticide, bait, biocide

Hazardous ingredients

Fipronil

Content (W/W): 0.05 %

CAS Number: 120068-37-3

EC-Number: 424-610-5

Hazard symbol(s): T, N

R-phrases: 23/24/25, 48/25, 50/53

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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## 4. First-aid measures

### General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing.

### If difficulties occur:

Obtain medical attention. Show container, label and/or safety data sheet to physician.

### On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

### On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

### Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-fighting measures

### Suitable extinguishing media:

water spray, water fog, carbon dioxide, foam, dry extinguishing media

### Specific hazards:

carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, sulfur oxides, organochloric compounds. The substances/groups of substances mentioned can be released in case of fire.

### Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

### Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

### Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

**Environmental precautions:**

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Incinerate or take to a special waste disposal site in accordance with local authority regulations. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

**7. Handling and storage**Handling

No special measures necessary if stored and handled correctly. Refer to the product label for handling precautions and directions for use.

**APPROVED HANDLER:**

Approved handlers as defined under the HSNO Act 1996 are not required for this product.

**Protection against fire and explosion:**

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep only in the original container. Keep away from heat. Protect against moisture. Protect from direct sunlight.

**Storage stability:**

Storage duration: 24 Months

Protect from temperatures above: 30 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

**AGGREGATE STORAGE VOLUME THRESHOLDS:**

When stored with substances of the same hazard the aggregate quantity must be considered. For full details refer to the current standard NZS8409 Management of Agrichemicals or the HSNO Regulations.

Location Certificate*:	Hazardous Atmosphere Zone*:	Fire Extinguishers:	Signage [Hazard Class & Emergency Action]:	Emergency Information:	Emergency Response Plan:	Secondary Containment:
NA	NA	NA	1000 kg	5 kg	1000 kg	1000 kg

\* Note: Farms  $\geq$  4 ha are exempt but with controls.

**DO NOT STORE OR LOAD WITH:**

Class 1 Explosive

**SEGREGATE FROM:**

Foodstuffs or Food Containers

**Segregation:** In store separate by at least 5 metres, on transport separate by at least 3 metres, in both cases horizontally. On vehicles a segregation device may be used: Check the Land Transport Rule Dangerous Goods, Rule 45001 for additional information. Sea transport may require additional segregation. Refer to NZS5433 Sea Segregation for details.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

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## 8. Exposure controls and personal protection

### Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

light protective clothing

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

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## 9. Physical and chemical properties

Form:	gel
Colour:	brown
Odour:	odourless
Flash point:	Non-flammable.
Density:	1.07 g/cm <sup>3</sup> (20 °C)
Bulk density:	dropped
Partitioning coefficient n-octanol/water (log Pow):	Not applicable

*Information on: Fipronil*

*Partitioning coefficient n-octanol/water (log Pow): 4.0 (20 °C)*

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Viscosity, dynamic: 28,000 - 40,000 mPa.s (25 °C)

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## 10. Stability and reactivity

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Substances to avoid:	No substances known that should be avoided.
Corrosion to metals:	No corrosive effect on metal.

Hazardous reactions: No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Acute toxicity

LD50 rat (oral): 4,400 mg/kg

LD50 rat (dermal): > 5,000 mg/kg

*Information on: Fipronil*

*LC50 rat (by inhalation): 0.39 mg/l 4 h*

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### Irritation

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

### Sensitization

guinea pig: Skin sensitizing effects were not observed in animal studies.

### Other relevant toxicity information

Misuse can be harmful to health

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## 12. Ecological information

### Ecotoxicity

*Toxicity to fish:*

*Information on: Fipronil*

*Toxicity to fish:*

*LC50 (96 h) 0.25 mg/l, Oncorhynchus mykiss*

*LC50 (96 h) 0.0852 mg/l, Lepomis macrochirus*

*LC50 (96 h) 0.43 mg/l, Cyprinus carpio*

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*Information on: Fipronil*

*Aquatic invertebrates:*

*EC50 (48 h) 0.19 mg/l, Daphnia magna*

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*Information on: Fipronil*

*Aquatic plants:*

*EC50 (96 h) 0.068 mg/l (biomass), Scenedesmus subspicatus*

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### Persistence and degradability

*Information on: Fipronil*

*Elimination information:*

*Not readily biodegradable (by OECD criteria).*

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### Bioaccumulation potential

*Information on: Fipronil*

*Bioaccumulation potential:*

*Bioconcentration factor: 321, Lepomis macrochirus*

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**Additional information**

Other ecotoxicological advice:

The ecological data given are those of the active ingredient. Do not discharge product into the environment without control.

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**13. Disposal considerations**

Container:

Ensure cartridge is completely empty, then crush and bury in a suitable landfill.

Product:

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

Do NOT contaminate surface water with chemical or empty container.

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**14. Transport information**

Commercial transport:

Not classified as Dangerous Goods for Land/rail (ADR/RID), sea (IMDG/GGVSee) and air transport (ICAO/IATA):

Public transport:

Do NOT carry more than 5 kg of this product on a passenger service vehicle.

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**15. Regulatory information**

**Regulations of the European Union (Labelling) / National Legislation/Regulations**

EEC Directives:

S-phrase(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S49 Keep only in the original container.

The product does not require a hazard warning label in accordance with EC Directives.

**Other EU Regulations**

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

**NZ Regulations**

Approved pursuant to the HSNO Act 1996, Code HSR000821.

See [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for approval controls.

NZFSA Approved Type D (All animal product except dairy)

| AgriQuality Approved for Use in Food/Beverage/Dairy Factories Category B.

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## 16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

T	Toxic.
N	Dangerous for the environment.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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| Vertical lines in the left hand margin indicate an amendment from the previous version.

**DISCLAIMER:** The information provided in this SDS is based upon sources believed to be accurate. However, BASF New Zealand Limited assumes no responsibility for the accuracy, completeness or suitability of this information. The product recipient/user is responsible for determining the suitability of this information for their particular purposes, and for observing existing laws and regulations.