

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 21.02.2012  
Product: **GOLIATH® COCKROACH GEL**

Version: 3.0

(30494347/SDS\_GEN\_AU/EN)

Date of print 23.02.2012

## 1. Substance/preparation and company identification

### **GOLIATH® COCKROACH GEL**

Use: insecticide

Company:

BASF Australia Limited (ABN 62 008 437 867)  
Level 12, 28 Freshwater Place Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600  
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]  
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

**NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

This material and its container must be disposed of in a safe way.

Keep only in the original container.

Use appropriate container to avoid environmental contamination.

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### 3. Composition/information on ingredients

#### Chemical nature

Biocidal product, insecticide, Bait

#### 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:

Symptoms: No significant reaction of the human body to the product known.

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, carbon dioxide, foam, dry powder

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**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.

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

**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: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed.

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## 7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly.

**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.

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.

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## 8. Exposure controls and personal protection

Components with workplace control parameters

no exposure standard allocated

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.

**9. Physical and Chemical Properties**

Form:	gel	
Colour:	brown	
Odour:	odourless	
pH value:	5.8 - 5.9 (10 g/l, 21 °C)	
:	The product has not been tested.	
Flash point:	Non-flammable.	
Lower explosion limit:	not determined	
Upper explosion limit:	not determined	
Ignition temperature:	415 °C	(Directive 92/69/EEC, A.15)
Explosion hazard:	not explosive	(Directive 92/69/EEC, A.14)
Fire promoting properties:	not fire-propagating	(UN Test O.2 (oxidizing liquids))
Vapour pressure:	approx. 23 hPa (20 °C) Information applies to the solvent.	
Density:	1.27 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	not determined	

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Partitioning coefficient n-octanol/water (log Pow):  
not applicable

Information on: fipronil

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

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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.

## 11. Toxicological Information

### Acute toxicity

LD50 rat (oral): 4,400 mg/kg (OECD Guideline 401)

LD50 rat (dermal): &gt; 5,000 mg/kg (OECD Guideline 402)

Information on: fipronil

LC50 rat (by inhalation): 0.36 mg/l 4 h

### Irritation

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

### Sensitization

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

### Repeated dose toxicity

Assessment of repeated dose toxicity:  
No reliable data was available concerning repeated dose toxicity.

### Genetic toxicity

Assessment of mutagenicity:  
No valid studies concerning mutagenic properties are available.

### Carcinogenicity

Assessment of carcinogenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

### Reproductive toxicity

Assessment of reproduction toxicity:  
The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### Developmental toxicity

Assessment of teratogenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

### Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:  
Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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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### **Mobility**

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.  
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### **Persistence and degradability**

Information on: fipronil

Elimination information:

Not readily biodegradable (by OECD criteria).  
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### **Bioaccumulation potential**

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil

Bioaccumulation potential:

Bioconcentration factor: 321, Lepomis macrochirus

Accumulation in organisms is not to be expected.  
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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**

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

Not classified as a dangerous good under transport regulations

### Sea transport IMDG

Not classified as a dangerous good under transport regulations

### Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### R-phrase(s)

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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.

S35

This material and its container must be disposed of in a safe way.

S49

Keep only in the original container.

S57

Use appropriate container to avoid environmental contamination.

Poisons Schedule: Not scheduled

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

### Registration status:

AICS, AU  
49646, 49647

released / exempt

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## 16. Other Information

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



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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.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.