

Safety data sheet

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BASF Safety data sheet

Date / Revised: 27.10.2009

Product: **GOLIATH® COCKROACH GEL**

Version: 2.1

(30494347/SDS_GEN_AU/EN)

Date of print 22.01.2010

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

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.

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.

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.

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.

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: 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.

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.

Suitable materials for containers: High density polyethylene (HDPE)

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.

8. Exposure controls and personal protection

Components with workplace control parameters

no exposure standard allocated

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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)	
Flash point:	Non-flammable.	
Flammability:	No dangerous quantities of flammable gases will be produced by contact with water.	(Directive 92/69/EEC, A.12)
Ignition temperature:	415 °C	(Directive 92/69/EEC, A.15)
Self ignition:		Temperature: 415 °C
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 ³ (20 °C)	
Bulk density:	dropped	

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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)

Viscosity, dynamic: 30,189 - 30,636 mPa.s
(21 °C)

10. Stability and Reactivity

Thermal decomposition: 130 °C, 160 kJ/kg (DSC (OECD 113))
Thermal decomposition: 315 °C, 190 kJ/kg (DSC (OECD 113))
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

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

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

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

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

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*

Information on: fipronil

Aquatic invertebrates:

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

Information on: fipronil

Aquatic plants:

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

Persistence and degradability

Information on: fipronil

Elimination information:

Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

Information on: fipronil

Bioaccumulation potential:

Bioconcentration factor: 321, *Lepomis macrochirus*

Additional information

Other ecotoxicological advice:

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

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

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

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

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 S13 S20/21 S35 S49 S57

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.

Poisons Schedule: Not scheduled

Other regulations

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.

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50/53

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

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.