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# Safety data sheet

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BASF Safety data sheet

Date / Revised: 07.04.2022

Product: **GOLIATH® Cockroach Gel**

Version: 4.0

(ID no. 30363475/SDS\_GEN\_NZ/EN)

## 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

## **GOLIATH® COCKROACH GEL**

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

Use: biocide, insecticide

### Details of the supplier of the safety data sheet

#### Manufacturer/supplier:

BASF New Zealand Ltd.

5E City Works Depot

77 Cook Street

Auckland Central, Auckland 1010

NEW ZEALAND

Telephone: +64 9 255-4300

Telefax number: +64 9 255-4307

### Emergency telephone number

National Poisons Centre: 0800 764 766

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

BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazards Identification

Classification of the substance or mixture:

Aquatic Chronic 3

Acute toxicity: Cat. 5 (oral)

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Hazardous to terrestrial invertebrates

## Label elements

Label elements and precautionary statement:

Pictogram:



Signal Word:

Warning

Hazard Statement:

H303	May be harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
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Precautionary Statements (Response):

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/Information on Ingredients/Mixtures

#### Chemical nature

Substance nature: mixture

Biocidal product, insecticide, Bait

Hazardous ingredients

Fipronil

Content (W/W): 0.05 %  
CAS Number: 120068-37-3

Acute Tox.: Cat. 2 (Inhalation - dust)  
Acute Tox.: Cat. 3 (oral)  
Acute Tox.: Cat. 3 (dermal)  
STOT RE (Central nervous system): Cat. 1  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1000  
M-factor chronic: 1000

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### 4. First-Aid Measures

#### **Description of first aid measures**

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Treatment: Symptomatic treatment (decontamination, vital functions)

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

**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, protective equipment and emergency procedures**

Use personal protective clothing. Avoid contact with the skin, eyes, and clothing. Do not breathe vapor/spray.

**Environmental precautions**

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

**Methods and material for containment and cleaning 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. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

**Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## 7. Handling and Storage

**Precautions for safe handling**

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

**Protection against fire and explosion:**

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

**Conditions for safe storage, including any incompatibilities**

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability:  
Storage duration: 36 Months

Protect from temperatures above: 35 °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/Personal Protection

### Components with workplace control parameters

No occupational exposure limits known.

### **Exposure controls**

#### Personal protective equipment

Respiratory protection:  
Respiratory protection not required.

#### Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

#### Eye protection:

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

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

Form:	liquid gel
Colour:	brown
Odour:	odourless
Odour threshold:	not applicable, odour not perceivable
pH value:	approx. 5 - 7 (10 g/l, 21 °C)
Melting point:	The product has not been tested.
Boiling point:	> 100 °C (estimated)

Flash point:	Non-flammable.
Evaporation rate:	not applicable
Flammability (solid/gas):	No dangerous quantities of flammable gases will be produced by contact with water. (Directive 92/69/EEC, A.12)
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	415 °C (Directive 92/69/EEC, A.15)
Thermal decomposition:	120 °C, 210 kJ/kg (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, class 4.1. (DSC (OECD 113))
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:	approx. 1.27 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	dispersible
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity, dynamic:	30,189 - 30,636 mPa.s (21 °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 SDS section 7 - Handling and storage.

Thermal decomposition: 120 °C, 210 kJ/kg (DSC (OECD 113)) (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

Substances to avoid:

strong bases, strong acids, strong oxidizing agents

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

### Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:

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

LC50 (by inhalation):

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

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

*Information on: Fipronil*

*Experimental/calculated data:*

*LC50 rat (by inhalation): 0.36 mg/l 4 h (OECD Guideline 403)*

*Tested as dust aerosol.*

#### Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant

#### Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

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

#### Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### Carcinogenicity

#### Assessment of carcinogenicity:

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

#### *Information on: Fipronil*

#### *Assessment of carcinogenicity:*

*In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.*

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### 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.

### Specific target organ toxicity (single exposure):

#### Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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

### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

#### Assessment of repeated dose toxicity:

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

#### *Information on: Fipronil*

#### *Assessment of repeated dose toxicity:*

*Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.*

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### Aspiration hazard

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

No aspiration hazard expected.



#### Other relevant toxicity information

Misuse can be harmful to health.

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*Toxicity to fish:*

*LC50 (96 h) 0.0852 mg/l, Lepomis macrochirus*  
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*Information on: Fipronil*

*Aquatic invertebrates:*

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

*LC50 (96 h) 0.00014 mg/l, Mysidopsis bahia*  
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*Information on: Fipronil*

*Aquatic plants:*

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

*EC50 (7 d) > 0.16 mg/l (growth rate), Lemna gibba*  
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*Information on: Fipronil*

*Chronic toxicity to fish:*

*No observed effect concentration 0.0029 mg/l, Cyprinodon variegatus*  
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*Information on: Fipronil*

*Chronic toxicity to aquatic invertebrates:*

*No observed effect concentration (21 d), 0.0098 mg/l, Daphnia magna*

*No observed effect concentration, 0.000008 mg/l, Mysidopsis bahia*  
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### Mobility in soil (and other compartments if available)

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**

Assessment biodegradation and elimination (H<sub>2</sub>O):

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

*Information on: Fipronil*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Not readily biodegradable (by OECD criteria).*

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### **Bioaccumulative 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:

Do not discharge product into the environment without control.

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## **13. Disposal Considerations**

### **Waste treatment methods**

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:

Packing group:

III

ID number:

UN 3082

Transport hazard class(es):

9, EHS

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S. (contains FIPRONIL)

Hazchem Code:

3Z

IERG Number:

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### **Further information**

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375. IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

## **15. Regulatory Information**

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

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

### **Chemical Safety Assessment**

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### **NZ Regulations**

Approved pursuant to the HSNO Act 1996, Code HSR000821.  
See [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for approval controls.

**Qualifications required:** any person mixing, loading, or handling this product must be a qualified person. Refer to the product label for handling precautions and directions for use.

Certified Handler: Not required  
Tracking: Not required  
Record keeping: Not required

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.

## **16. Other Information**

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

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.

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