

# Safety Data Sheet



## Maxforce® Activ Cockroach Gel

Version 1 / AUS  
102000027617

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Revision Date: 17.08.2016  
Print Date: 17.08.2016

### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Trade name** Maxforce® Activ Cockroach Gel  
**Product code (UVP)** 80915004

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

**Use** Insecticide

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

**Supplier** Bayer CropScience Pty Ltd.  
ABN 87 000 226 022  
Level 1, 8 Redfern Road  
3123 Hawthorn East  
Victoria  
Australia

**Telephone** (03) 9248 6888

**Telefax** (03) 9248 6800

**Responsible Department** 1800 804 479 Technical Information Service

**Website** [www.environmentalscience.bayer.com.au](http://www.environmentalscience.bayer.com.au)

#### 1.4 Emergency telephone no.

**Emergency telephone no.** 1800 033 111 IXOM Operations Pty Ltd

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification in accordance with Australian GHS Regulation

Acute aquatic toxicity: Category 1  
H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1  
H410 Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Hazardous components which must be listed on the label:

Clothianidin

#### 2.3 Other hazards

No other hazards known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

CLOTHIANIDIN 1% w/w  
Chemical nature Bait (ready for use) (RB)



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Chemical Name	CAS-No.	Concentration [%]
Clothianidin	210880-92-5	1.00
Glycerine	56-81-5	> 1.00
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one	55965-84-9	> 0.0001 - < 0.0015
1,2-Benzisothiazol-3(2H)-one	2634-33-5	> 0.005 - < 0.05
Other ingredients (non-hazardous) to 100%		

**SECTION 4. FIRST AID MEASURES**

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.**

**4.1 Description of first aid measures**

- General advice** The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
- Skin contact** Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently 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** Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** No symptoms known or expected.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Treatment** Treat symptomatically. 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. There is no specific antidote.

**SECTION 5. FIRE FIGHTING MEASURES**

**5.1 Extinguishing media**

- Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable** High volume water jet



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<b>5.2 Special hazards arising from the substance or mixture</b>	Dangerous gases are evolved in the event of a fire.
<b>5.3 Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b>	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.
<b>Hazchem Code</b>	•3Z

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Precautions** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water.

#### 6.3 Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**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.

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

**Advice on safe handling** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

#### 7.2 Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight. Protect from frost.



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**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Clothianidin	210880-92-5	2.8 mg/m <sup>3</sup> (TWA)		OES BCS*
Glycerine (Inhalable mist.)	56-81-5	10 mg/m <sup>3</sup> (TWA)	12 2011	AU NOEL
Sucrose (Inhalable dust.)	57-50-1	10 mg/m <sup>3</sup> (TWA)	12 2011	AU NOEL

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

#### 8.2 Exposure controls

##### Personal protective equipment - End user

**General advice** No special protective equipment required.

##### Engineering Controls

**Advice on safe handling** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

<b>Form</b>	gel
<b>Colour</b>	white to beige
<b>Odour</b>	weak, characteristic
<b>pH</b>	4.7 - 5.2 at 1 % (23 °C) (CIPAC D water (342ppm))
<b>Flash point</b>	98 - 101 °C No flash point - Determination conducted up to the boiling point.
<b>Ignition temperature</b>	465 °C
<b>Density</b>	ca. 1.10 g/cm <sup>3</sup> at 20 °C
<b>Partition coefficient: n-octanol/water</b>	Clothianidin: log Pow: 0.9
<b>Oxidizing properties</b>	No oxidizing properties
<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.



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### 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 the 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** LD50 (Rat) > 5,000 mg/kg

**Acute inhalation toxicity** During intended and foreseen applications, no respirable aerosol is formed.

**Acute dermal toxicity** LD50 (Rat) > 5,000 mg/kg

**Skin irritation** No skin irritation (Rabbit)

**Eye irritation** Slight irritant effect - does not require labelling. (Rabbit)

**Sensitisation** Non-sensitizing. (Mouse)  
OECD Test Guideline 429, local lymph node assay (LLNA)

#### Assessment mutagenicity

Clothianidin was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

#### Assessment carcinogenicity

Clothianidin was not carcinogenic in lifetime feeding studies in rats and mice.

#### Assessment toxicity to reproduction

Clothianidin 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 Clothianidin is related to parental toxicity.

#### Assessment developmental toxicity

Clothianidin did not cause developmental toxicity in rats.

Clothianidin caused developmental toxicity in rabbits only at dose levels toxic to the dams. The developmental effects seen with Clothianidin are related to maternal toxicity.

#### Assessment repeated dose toxicity

Clothianidin did not cause specific target organ toxicity in experimental animal studies.



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### Aspiration hazard

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

### Information on likely routes of exposure

Keep exposed gel away from open food and food contact surfaces.  
Eye contact, Skin contact, Ingestion

### Early onset symptoms related to exposure

Refer to Section 4

### Delayed health effects from exposure

Refer to Section 11

### Exposure levels and health effects

Refer to Section 4

### Interactive effects

Not known

### When specific chemical data is not available

Not applicable

### Mixture of chemicals

Refer to Section 2.1

### Further information

No further toxicological information is available.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)) > 104.2 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient clothianidin.

#### Toxicity to aquatic invertebrates

EC50 (Daphnia magna (Water flea)) > 40 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient clothianidin.

EC50 (Chironomus riparius (non-biting midge)) 0.029 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient clothianidin.

#### Chronic toxicity to aquatic invertebrates

NOEC (Daphnia (water flea)): 0.12 mg/l  
Exposure time: 21 d  
The value mentioned relates to the active ingredient clothianidin.

NOEC (Chironomus riparius (non-biting midge)): 0.00072 mg/l  
Exposure time: 28 d  
The value mentioned relates to the active ingredient clothianidin.



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**Toxicity to aquatic plants**      EC50 (Raphidocelis subcapitata (freshwater green alga)) > 120 mg/l  
Growth rate; Exposure time: 72 h  
The value mentioned relates to the active ingredient clothianidin.  
  
EC50 (Lemna gibba (gibbous duckweed)) > 121 mg/l  
Exposure time: 14 d  
The value mentioned relates to the active ingredient clothianidin.

**12.2 Persistence and degradability**

**Biodegradability**                      Clothianidin:  
Not rapidly biodegradable  
  
**Koc**    Clothianidin: Koc: 84 - 345

**12.3 Bioaccumulative potential**

**Bioaccumulation**                      Clothianidin:  
Does not bioaccumulate.

**12.4 Mobility in soil**

**Mobility in soil**                              Clothianidin: Moderately mobile in soils

**12.5 Other adverse effects**

**Additional ecological information**                      No other effects to be mentioned.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage. DO NOT burn empty containers or product.

**SECTION 14. TRANSPORT INFORMATION**

**ADG**

UN number	<b>3082</b>
Transport hazard class(es)	9
Subsidiary Risk	None
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN SOLUTION)
Hazchem Code	•3Z

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

**IMDG**

UN number	<b>3082</b>
Transport hazard class(es)	9
Subsidiary Risk	None
Packaging group	III
Marine pollutant	YES

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Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(CLOTHIANIDIN SOLUTION)

### IATA

UN number	3082
Transport hazard class(es)	9
Subsidiary Risk	None
Packaging group	III
Environm. Hazardous Mark	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN SOLUTION )

### SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994  
Australian Pesticides and Veterinary Medicines Authority approval number: 81040

#### SUSMP classification (Poison Schedule)

Exempt (Standard for the Uniform Scheduling of Medicines and Poisons)

### SECTION 16. OTHER INFORMATION

**Trademark information** Maxforce® is a registered trademark of the Bayer Group.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

#### 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
AU OEL	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)
CAS-Nr.	Chemical Abstracts Service number
CEILING	Ceiling Limit Value
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %





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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
OES BCS	OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"
PEAK	PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SK-SEN	Skin sensitiser
SKIN_DES	SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
STEL	STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
TWA	TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF SDS