

# Bayer Environmental Science

## Safety Data Sheet

### Maxforce® Prime Cockroach Gel



Version / AUS  
102000012600

Revision Date: 25.07.2012

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

Product name: **Maxforce® Prime Cockroach Gel**  
Other names: None  
Product code (UVP): 06531709  
Recommended use: Insecticide

Chemical formulation: Bait (ready for use) (RB)

Company: Bayer CropScience Pty. Ltd.  
ABN 87 000 226 022  
391-393 Tooronga Road, East Hawthorn  
Victoria 3123, Australia

Telephone: (03) 9248 6888  
Technical Information Service: 1800 804 479  
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Website: [www.bayeres.com.au](http://www.bayeres.com.au)  
Contact: (03) 9248 6888 Technical Manager

Emergency telephone no.: 1800 033 111 Orica SH&E Shared Services

#### SECTION 2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE	Emergency Overview	DANGEROUS GOODS
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Hazardous classification: Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrase(s): R36/38 - Irritating to eyes and skin.  
R43 - May cause sensitization by skin contact.  
R50/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s): See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: Not a "Dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Maxforce Prime Cockroach Gel is a MARINE POLLUTANT. See Section 14.

SUSMP classification (Poison Schedule): Exempt (Standard for the Uniform Scheduling of Medicines and Poisons).

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Imidacloprid 21.5 g/kg

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	2.15
Mixture of 5-Chlor-2-methyl-3(2H)-isothiazolon and 2-Methyl-2H-isothiazol-	55965-84-9	0.006

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3-on		
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0.514
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.**

**Skin contact**

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

**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**

Call a physician or poison control center immediately. Rinse mouth. Induce vomiting only, if:  
1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.)

**Notes to physician**

**Treatment**

Treat symptomatically.  
Monitor: respiratory and cardiac functions.  
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**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Extinguishing media which should not be used for safety reasons**

High volume water jet.

**Hazards from combustion products**

In the event of fire the following may be released:  
Carbon monoxide (CO).

**Precautions for fire-fighting**

In the event of fire and/or explosion do not breathe fumes.  
In the event of fire, wear self-contained breathing apparatus.  
Contain the spread of the fire-fighting media.  
Do not allow run-off from fire fighting to enter drains or water courses.



Hazchem Code 2Z

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

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

**Environmental precautions**

Do not allow to get into surface water, drains and ground water.

**Methods for cleaning up**

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

**Additional advice**

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**

**Handling**

Hygiene measures:

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

**Storage**

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in original container.  
Store in a place accessible by authorized persons only.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	0.7 mg/m <sup>3</sup> (TWA)		OES BCS

For further details on the Occupational Exposure Standards, see Section 16.

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#### Personal protective equipment - End user

Hand protection. Elbow-length PVC or nitrile gloves.

Skin and body protection: Cotton overall buttoned to the neck and wrist is recommended.  
Impervious footwear is recommended.

#### 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

#### Appearance

Form: Pasty, gel  
Colour: Light to dark brown  
Odour: Strong, characteristic

#### Safety data

pH: 5.0 - 6.0 at 1 % (23 °C)

Flash point: No data available

Ignition temperature: No data available

Upper explosion limit: No data available

Lower explosion limit: No data available

Vapour pressure: No data available

Relative vapour density: No data available

Density: No data available

Water solubility: No data available

Partition coefficient: n-octanol/water: No data available

Viscosity, dynamic: 35,000 - 60,000 mPa.s at 20 °C  
Velocity gradient 7.3 /s

### SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Extremes of temperature and direct sunlight.



Hazardous decomposition products	Thermal decomposition can lead to release of: Hydrogen chloride (HCl) Hydrogen cyanide (hydrocyanic acid) Carbon oxides Nitrogen oxides (NO <sub>x</sub> )
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Potential health effects**

Inhalation:	Inhalation not likely.
Skin:	Repeated contact may sensitize the skin, leading to allergic reactions.
Eye:	May cause slight irritation.
Ingestion:	No specific effects on humans are known under normal use conditions.

**Animal toxicity studies**

Acute oral toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg Test conducted with a similar formulation.
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg Test conducted with a similar formulation.
Skin irritation:	No skin irritation (rabbit). Test conducted with a similar formulation.
Eye irritation:	No eye irritation (rabbit). Test conducted with a similar formulation.
Sensitisation:	Sensitising (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test

**Assessment mutagenicity**

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

**Assessment carcinogenicity**

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

**Assessment toxicity to reproduction**

Imidacloprid did not cause reproductive toxicity in a two-generation study in rats.

**Assessment developmental toxicity**

Imidacloprid did not cause developmental toxicity in rats and rabbits.

**Chronic toxicity**

Imidacloprid did not cause any significant specific adverse effects or target organ toxicity in subchronic toxicity studies.



**Assessment neurotoxicity**

Imidacloprid showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies in rats. There were no correlating morphological changes observed in the neural tissues.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

Toxicity to fish: LC<sub>50</sub> (Rainbow trout (*Oncorhynchus mykiss*)) 211 mg/L  
Exposure time: 96 h  
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic invertebrates: EC<sub>50</sub> (Water flea (*Daphnia magna*)) 85 mg/L  
Exposure time: 48 h  
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic invertebrates: LC<sub>50</sub> (Non-biting midge (*Chironomus riparius*)) 0.0552 mg/L  
Exposure time: 24 h  
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic plants: EC<sub>50</sub> (*Desmodemus subspicatus*) > 10 mg/L  
Growth rate Exposure time: 72 h  
The value mentioned relates to the active ingredient imidacloprid.

**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: 3077  
Class: 9  
Subsidiary Risk: None  
Packaging group: III  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)  
Hazchem Code: 2Z

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: 3077  
Class: 9  
Subsidiary Risk: None  
Packaging group: III  
EmS: F-A , S-F  
Marine pollutant: YES  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.



(IMIDACLOPRID MIXTURE)

**IATA**

UN-Number:	<b>3077</b>
Class:	9
Subsidiary Risk:	None
Packaging group:	III
Environm. Hazardous Mark:	YES
Description of the goods:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE )

**SECTION 15. REGULATORY INFORMATION**

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 61629.

See also Section 2.

**SECTION 16. OTHER INFORMATION**

**Trademark information**

Maxforce® is 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.

**Further details on the Occupational Exposure Standards mentioned in Section 8:**

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

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.

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.

SKIN\_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

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.

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

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS