

# Bayer Environmental Science

## Safety Data Sheet

### Maxforce® White Cockroach Gel



Version 1 / AUS  
10200007347

Revision Date: 12.06.2013

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

Product name: **Maxforce® White Cockroach Gel**  
Other names: None  
Product code (UVP): 05178819  
Recommended use: Insecticide

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

Company: Bayer CropScience Pty. Ltd.  
ABN 87 000 226 022  
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Victoria 3123, Australia

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Contact: (03) 9248 6888 Technical Manager

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

#### SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview	
NON-HAZARDOUS SUBSTANCE	DANGEROUS GOODS

Hazardous classification: Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrases: R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases: See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: Not a "Dangerous good" 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 White 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
Glycerine	56-81-5	> 1.00
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.**

##### 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. Get medical attention if irritation develops and persists.

##### 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)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (hydrocyanic acid)  
Hydrogen chloride (HCl)

##### 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**

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. 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.  
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 out of the reach of children.  
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	Basis
Imidacloprid	138261-41-3	0.7 mg/m <sup>3</sup> (TWA)	OES BCS

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Glycerine mist	56-81-5	10 mg/m <sup>3</sup> (TWA)	AU OEL
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For further details on the Occupational Exposure Standards, see Section 16.

#### 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

#### Appearance

Form: Gel  
Colour: White to beige  
Odour: Weak, characteristic

#### Safety data

pH: No data available

Flash point: No data available

Flammability (solid, gas): The product is not highly flammable.

Ignition temperature: No data available

Autoignition temperature: > 381 °C

Upper explosion limit: No data available

Lower explosion limit: No data available

Vapour pressure: 21.3 hPa at 20 °C  
25.2 hPa at 25 °C  
53.6 hPa at 50 °C

Relative vapour density: No data available

Density: ca. 1.21 g/cm<sup>3</sup> at 20 °C

Water solubility: Miscible

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

Impact sensitivity: Not impact-sensitive

Explosivity: Not explosive  
92/69/EEC, A.14 / OECD 113



**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid:	Extremes of temperature and direct sunlight.
Materials to avoid:	Store in the original container.
Chemical stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Thermal decomposition can lead to release of: Hydrogen chloride (HCl) Hydrogen cyanide (hydrocyanic acid) Oxides of carbon Nitrogen oxides (NOx)  No decomposition products expected under normal conditions of use.
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:	May cause irritation.
Eye:	Will cause eye irritation if in direct contact with eyes.
Ingestion:	May be harmful if swallowed.

**Animal toxicity studies**

Acute oral toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg
Acute inhalation toxicity:	During intended and foreseen applications, no respirable aerosol is formed.
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg
Skin irritation:	No skin irritation (rabbit).
Eye irritation:	Slight eye irritation (rabbit).
Sensitisation:	Non-sensitizing (guinea pig). OECD Test Guideline 406, Buehler test
Sensitisation:	Non-sensitizing (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> ( <i>Oncorhynchus mykiss</i> (Rainbow trout)) 211 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates:	EC <sub>50</sub> ( <i>Daphnia magna</i> Water flea) 85 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates:	LC <sub>50</sub> ( <i>Chironomus riparius</i> (non-biting midge)) 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> ( <i>Desmodium subspicatus</i> ) > 10 mg/L Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient imidacloprid.
Biodegradability:	Not applicable for this formulation.
Stability in soil:	Not applicable for this mixture.
Bioaccumulation:	Not applicable for this mixture.

**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

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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: 3077  
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: 61937.

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.

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**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.

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

END OF SDS