

Bayer Environmental Science
Material Safety Data Sheet
Maxforce® White Cockroach Gel



Version / AUS
10200007347

Revision Date: 13.09.2011

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 Environmental Science
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview
NON-HAZARDOUS SUBSTANCE DANGEROUS GOODS

Hazardous classification: Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).
R-phrases: None allocated.
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 21.5g/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 Material 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. 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

Dangerous gases are evolved in the event of a fire.

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	Update	Basis
Imidacloprid	138261-41-3	0.7 mg/m ³ (TWA)		OES BCS
Glycerine (Inspirable dust.)	56-81-5	10 mg/m ³ (TWA)	08 2005	AU OEL

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

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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: No data available
Relative vapour density: No data available
Density: ca. 1.21 g/cm³ 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

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 (NO _x)
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:	May cause eye irritation.
Acute oral toxicity:	LD ₅₀ (rat) > 5,000 mg/kg
Acute dermal toxicity:	LD ₅₀ (rat) > 5,000 mg/kg
Skin irritation:	No skin irritation (rabbit).
Eye irritation:	No 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
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.

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.



SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish:	LC ₅₀ (<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 ₅₀ (<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 ₅₀ (<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 ₅₀ (<i>Desmodesmus subspicatus</i>) > 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:	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 Bayer.

This MSDS 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 MSDS 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.

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