

Bayer Environmental Science

Safety Data Sheet

Maxforce® Cockroach Gel



Version / AUS
10200001392

Revision Date: 12.04.2012

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Maxforce® Cockroach Gel**
Other names: None
Product code (UVP): 05938465
Recommended use: Insecticide

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

Company: Bayer CropScience Pty. Ltd.
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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(s):	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(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 Cockroach Gel is a MARINE POLLUTANT. See Section 14.
SUSMP classification (Poison Schedule):	Schedule 6 (Standard for the Uniform Scheduling of Medicines and Poisons)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Hydramethylnon 20 g/kg

Chemical Name	CAS-No.	Concentration [%]
Hydramethylnon	67485-29-4	2.00
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.

Inhalation

Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

Skin contact

In case of contact with skin wash off immediately with polyethylene glycol 400, then with plenty of water. If symptoms persist, call a physician.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion

Rinse mouth. Keep at rest. Do NOT induce vomiting. Obtain medical attention.

Notes to physician

Symptoms

Local: To date no symptoms are known.

Systemic: May cause stuffy or runny nose and scratchy throat, lacrimation, lethargy, diarrhoea.

Treatment

Local treatment: Initial treatment: Symptomatic.

Systemic treatment: Initial treatment: Symptomatic.

Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

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, wear self-contained breathing apparatus.

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.

Hazchem Code 2Z



SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

- Keep people away from and upwind of spill/leak.
- Avoid dust formation.
- Avoid contact with spilled product or contaminated surfaces.
- When dealing with a spillage do not eat, drink or smoke.

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).
- Collect and transfer the product into a properly labelled and tightly closed container.
- Clean floors and contaminated objects with plenty of water.

Additional advice

- Information regarding safe handling, see section 7.
- Information regarding personal protective equipment, see section 8.
- Information regarding waste disposal, see section 13.
- Check also for any local site procedures.

SECTION 7. HANDLING AND STORAGE

Handling

Hygiene measures:

- When using, do not eat, drink or smoke.
- Remove soiled clothing immediately and clean thoroughly before using again.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
- Wash hands immediately after work, if necessary take a shower.

Advice on protection against fire and explosion:

- Dust may form explosive mixture in air.

Storage

Requirements for storage areas and containers:

- Keep out of the reach of children.
- Store in a place accessible by authorized persons only.
- Keep away from direct sunlight.
- Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage:

- Keep away from food, drink and animal feedingstuffs.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

- Not established.

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Personal protective equipment – End user

Hand protection: Wear rubber gloves.

Engineering controls

Advice on safe handling:

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

Avoid dust formation.

Ensure adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Gel
Colour: Tan
Odour: Odourless

Safety data

pH: No data available
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: ca. 1.10 g/cm³ at 20 °C
Water solubility: Partly soluble
Partition coefficient: n-octanol/water: No data available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.
Conditions to avoid: Extremes of temperature and direct sunlight.
Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.



SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Skin: May be minimally irritating following prolonged direct contact.
Ingestion: May be harmful if swallowed.

Animal toxicity studies

Acute oral toxicity: LD₅₀ (rat) > 5,000 mg/kg
Acute dermal toxicity: LD₅₀ (rat) > 2,000 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

Chronic toxicity

Hydramethylnon caused testicular and/or lung effects in chronic studies in mice, rats and dogs.

Assessment carcinogenicity

Hydramethylnon has been classified by U.S. EPA as a Group C-possible human carcinogen based on lung tumors observed in mice. Rats treated with hydramethylnon did not show a carcinogenic potential.

Reproductive toxicity

Reproduction: Hydramethylnon is a reproductive toxicant at doses producing systemic toxicity.
Developmental toxicity: Hydramethylnon was not a primary developmental toxicant in rats and rabbits. Developmental effects were observed but were considered secondary to maternal toxicity.

Neurotoxicity

No data available.

Mutagenicity

Hydramethylnon was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish: LC₅₀ (*Oncorhynchus mykiss* (Rainbow trout)) 0.16 mg/L
Exposure time: 96 h
The value mentioned relates to the active ingredient hydramethylnon.

Toxicity to aquatic invertebrates: EC₅₀ (*Daphnia magna* (Water flea)) 1.14 mg/L
Exposure time: 48 h
The value mentioned relates to the active ingredient hydramethylnon.



Bioaccumulation: *Gambusia affinis* (Mosquito fish)
Bioconcentration factor (BCF): 95
The value mentioned relates to the active ingredient hydramethylnon.

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. (HYDRAMETHYLNON 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. (HYDRAMETHYLNON 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. (HYDRAMETHYLNON MIXTURE)

SECTION 15. REGULATORY INFORMATION

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

Australian Pesticides and Veterinary Medicines Authority approval number: 56626.

See also Section 2.

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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.

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