

**MATERIAL SAFETY DATA SHEET**  
**Maxforce® Cockroach Gel**



Date of Issue: June 17<sup>th</sup>, 2011

**1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER**

**Product name:** Maxforce® Cockroach Gel  
**Other names:** Maxforce Professional Insect Control Roach Gel  
**UVP:** 05938465  
**Chemical group:** Hydrazide  
**Recommended use:** Insecticide  
**Formulation:** Bait (ready-for-use) RB  
**Supplier:** Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd  
ABN 87 000 226 022  
**Address:** 391 - 393 Tooronga Road, East Hawthorn  
Victoria 3123, Australia  
**Telephone:** (03) 9248 6888  
**Technical Information Service:** 1800 804 479  
**Facsimile:** (03) 9248 6800  
**Website:** [www.bayeres.com.au](http://www.bayeres.com.au)  
**Contact:** Technical Manager (03) 9248 6888  
**Emergency Telephone Number:** 1800 033 111 – Orica SH&E Shared Services

**2. HAZARDS IDENTIFICATION**

**NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD**

**Hazard designation:** Non-hazardous (National Occupational Health and Safety Commission - NOHSC)  
**Risk phrases:** Not applicable  
**Safety phrases:** See sections 4, 5, 6, 7, 8, 10, 13  
**ADG classification:** This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
**SUSMP classification:** Schedule 6 (Standard for the Uniform Scheduling of Medicines and Poisons)

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredients:</b>	<b>CAS Number:</b>	<b>Concentration (g/kg):</b>
Hydramethylnon	[67485-29-4]	20.0
Propylene glycol	[57-55-6]	70.0
Oleic acid	[112-80-1 204-007-1]	> 1,00 - < 20,00
Other ingredients	(non hazardous)	910

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**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 a doctor.**

- Inhalation:** Due to the nature of this product inhalation is unlikely.
- 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.
- First Aid Facilities:** Ensure washing facilities are available.
- Medical attention:** Symptoms:  
May cause stuffy or runny nose and scratchy throat, lacrimation, lethargy, diarrhea.
- Note to physicians:  
Gastric lavage does not seem to be mandatory in regard of the low toxicity of the compound. However, the application of activated charcoal and sodium sulphate is always advisable in significant ingestions. As there is no antidote, treatment has to be symptomatic and supportive.

**5. FIRE FIGHTING MEASURES**

- 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.
- Specific hazards during fire fighting:** Dangerous gases are evolved in the event of a fire.
- Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus.
- Further information:** 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.

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**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).  
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.

**7. HANDLING AND STORAGE**

- Handling:**
- Advice on safe handling:** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.  
Avoid dust formation.  
Use only in area provided with appropriate exhaust ventilation.
- Advice on protection against fire and explosion:** Dust may form explosive mixtures with air.
- Storage:**
- Requirements for storage areas and containers:** 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.
- Suitable materials:** Store in original container.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protective equipment:**
- In normal use and handling conditions:** Wear rubber gloves.

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### In all other cases the following recommendations would apply:

- Respiratory protection:** No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
- Hand protection:** Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
- Eye protection:** Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
- Skin and body protection:** Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
- Hygiene measures:** When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Wash hands immediately after work, if necessary take a shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

**Form:** Gel  
**Colour:** Brown  
**Odour:** Odourless

**Density:** 1.10 g/cm<sup>3</sup>

**Water solubility:** Partly soluble

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Extreme of temperature and direct sunlight.

**Hazardous reactions:** No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

**Inhalation:** Due to the nature of this product, inhalation is unlikely.

**Skin contact:** Irritation to the skin is unlikely.

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**Eye contact:** May irritate the eyes.  
**Ingestion:** May be harmful if swallowed.  
**Other:** None

**ANIMAL TOXICITY DATA – PRODUCT:**

**Acute oral toxicity:** LD<sub>50</sub> rat: > 5000 mg/kg  
**Acute dermal toxicity:** LD<sub>50</sub> rat: >2000 mg/kg  
**Inhalation toxicity:** LC<sub>50</sub> (4 h) rat: > 5 mg/L  
The value mentioned relates to the active ingredient.  
**Skin irritation:** Not a skin irritant - rabbit  
**Eye irritation:** Not an eye irritant - rabbit  
**Sensitisation:** Not a skin sensitizer – guinea pig  
OECD Test Guideline 406, Buehler test

**Other information:**

In two year feeding studies with hydramethylnon in rats the No Observable Effect Level (NOEL) was 50mg/kg diet. Hydramethylnon is not mutagenic and not teratogenic.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:**

**Fish toxicity:** LC<sub>50</sub> (96 h) 1.70 mg/L (Bluegill sunfish)  
The value mentioned relates to the active ingredient.  
LC<sub>50</sub> (96 h) 0.16 mg/L (Rainbow trout)  
The value mentioned relates to the active ingredient.

**Daphnia toxicity:** LC<sub>50</sub> (48 h) 1.14 mg/L (Water flea *Daphnia magna*)  
The value mentioned relates to the active ingredient.

**Toxicity to algae:** Not available

**Bird toxicity:** LD<sub>50</sub> >2510 mg/kg (Mallard ducks)  
The value mentioned relates to the active ingredient.  
LD<sub>50</sub> 1828 mg/kg (Bobwhite quail)  
The value mentioned relates to the active ingredient.

**Bee toxicity:** Non-toxic topically to honeybees at 0.03 mg/bee  
The value mentioned relates to the active ingredient.

**Environmental fate,  
persistence and**

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**degradation:** Hydramethylnon has low solubility in water and is rapidly degraded in sunlight.

**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.

**14. TRANSPORT INFORMATION**

According to national and international transport regulations not classified as dangerous goods.

**15. REGULATORY INFORMATION**

Registered according to the Agricultural and Veterinary Chemicals Act 1994.

Australian Pesticides and Veterinary Medicines Authority Approval Number: 56626

**16. OTHER INFORMATION**

**Trademark**

**information:** Maxforce® is a Registered Trademark of Bayer.

**Preparation information:**

Replaces September 14<sup>th</sup>, 2006 edition.  
Reasons for update: Renewal due.

**Data sources:**

Bayer CropScience European product safety data sheet.

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.

END OF MSDS