

MATERIAL SAFETY DATA SHEET

Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Maxforce® Cockroach Gel
Other names: None
Product code: Not available
SAP product code: AU-600055 (30 g); AU-600010 (60 g)
Recommended use: For use by Professional Pest Control Operators as an insecticide in domestic and commercial situations.
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
Facsimile: (03) 9248 6800
Website: www.bayercropscience.com.au
Contact: Technical Manager (03) 9248 6854
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

Not flammable.

Hazard designation: Not classified as hazardous according to the criteria of Worksafe Australia
Risk phrases: Not applicable
Safety phrases: Not applicable
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.
SUSDP classification: Schedule 6 (Standard for the Uniform Scheduling of Drugs and Poisons)

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients: | CAS Number: | Concentration (g/kg): |
|-------------------|-----------------|-----------------------|
| Hydramethylnon | [67485-29-4] | 16.5 |
| Other ingredients | (non hazardous) | 983.5 |

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Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

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: | If product gets on skin wash affected areas with plenty of soap and water. No further measures should normally be required. |
| Eye contact: | If product gets in eyes wash eyes with copious quantities of water to remove material. No further measures should normally be required. Seek medical assistance if irritation occurs. |
| Ingestion: | If swallowed immediately contact a doctor or Poisons Information Centre (telephone: 13 11 26) and follow the advice given. Keep under medical supervision. |
| First Aid Facilities: | Ensure washing facilities are available. |
| Symptoms: | No specific symptoms known. |
| Medical attention: | Treat symptoms. |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Extinguishing media: | Extinguish fire using: Carbon dioxide, Dry agent, Water spray, Foam |
| Hazards from combustion products: | Thermal decomposition may produce toxic and corrosive by-products in confined spaces. |
| Precautions for fire fighters: | Full protective gear, including self-contained breathing apparatus (AS 1716:1994), must be worn. Contain run-off. Keep people away and upwind. |

6. ACCIDENTAL RELEASE MEASURES

Dealing with spills and disposal may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn:

* Cotton overalls buttoned to the neck and wrist

* Waterproof gloves

CONTAIN SPILL, sweep up or shovel and place in properly labelled sealed drums for safe disposal. Prevent spillage from entering drains and water courses. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority. After spill wash area, preventing run-off from entering drains.

MATERIAL SAFETY DATA SHEET

Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

7. HANDLING AND STORAGE

Handling: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Storage: Store in the closed original container in a cool, well ventilated, locked place out of the reach of children. Do not store in direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: No occupational exposure standards have been established for the product or its ingredients.

Engineering controls: Control process conditions to avoid contact.

Personal Protective Equipment: Eyes: Not normally required. Avoid touching eyes while handling product.

Clothing: Protective clothing is not normally required with this product but it is recommended to wear full-length work clothes as good practice.

Gloves: Avoid contact with skin; wear waterproof gloves.

Respiratory: Not required.

Other: Wear appropriate foot-wear for the situation in which the product is applied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A thick brown gel

Odour: Sweet

Vapour pressure: Not available

Vapour density: Not available

Boiling point: Not available

Freezing/melting point: No specific data (a gelled solid at room temperature)

Solubility: Insoluble

Density: Not available

pH: Not applicable

Molecular weight: 494.5 (Hydramethylnon)

Flash Point: Not flammable

MATERIAL SAFETY DATA SHEET

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Flammability
(explosive) limits: Not available
Auto-ignition
temperature: Not available
Octanol/water
partition
coefficient: Not available
Formulation: Gel bait

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use. No dangerous reaction known under normal conditions.

Hazardous polymerisation: None

Conditions to avoid: Extreme heat and fire

Incompatible materials: None known

Hazardous decomposition products: Thermal decomposition may produce toxic and corrosive by-products in confined spaces.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: Data suggests that this product should present no significant problems to typical persons if used as intended.

Skin contact: Data suggests that this product should present no significant problems to typical persons if used as intended.

Eye contact: Data suggests that this product should present no significant problems to typical persons if used as intended.

Ingestion: The product exhibits low toxicity by the oral route.

Other: None

ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Acute:

MATERIAL SAFETY DATA SHEET

Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

Oral toxicity: LD₅₀ rat: 1131 – 1300 mg/kg (hydramethylnon)

Dermal toxicity: LD₅₀ rat: >5000 mg/kg (hydramethylnon)

Inhalation toxicity: LC₅₀ (4 h) rat: > 5 mg/L (hydramethylnon)

Skin irritation: Not available

Eye irritation: Not available

Sensitisation: Not available

Chronic:

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

12. ECOLOGICAL INFORMATION

Fish toxicity: Hydramethylnon: LC₅₀: 1.70 mg/L (96 h) bluegill sunfish.
Hydramethylnon: LC₅₀: 0.16 mg/L (96 h) rainbow trout

Daphnia toxicity: Hydramethylnon: LC₅₀: 1.14 mg/L (48 h) Daphnia magna.

Toxicity to algae: Not available

Bird toxicity: Hydramethylnon: LD₅₀: >2510 mg/kg mallard ducks
Hydramethylnon: LD₅₀: 1828 mg/kg bobwhite quail

Bee toxicity: Non-toxic topically to honeybees at 0.03 mg/bee

Other: None

Environmental fate, persistence and 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.

MATERIAL SAFETY DATA SHEET

Maxforce® Cockroach Gel

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14. TRANSPORT INFORMATION

UN number: Not applicable
Proper shipping name: Not applicable
Class and Subsidiary Risk: This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Packing Group: Not applicable
EPG: Not applicable
Hazchem code: Not applicable

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority approval number: 45678

16. OTHER INFORMATION

Trademark information: Maxforce® is a Registered Trademark of Bayer

Preparation information: Replaces March 14, 2002 edition.
Reason for update: Conversion to 16 heading format.

Data sources: Bayer CropScience Pty Ltd product safety data and published data

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