

MATERIAL SAFETY DATA SHEET

Maxforce® Cockroach Gel

Date of Issue: September 14th, 2006

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Maxforce® Cockroach Gel
Other names: Maxforce Professional Insect Control Roach Gel
Product code: 4318918 (30 g), 4318926 (60 g)
Chemical group: Hydrazide
Recommended use: For use by Professional Pest Control Operators as a cockroach gel bait in domestic and commercial situations.
Formulation: Gel bait
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 6888
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

Not flammable.

Hazard designation: Non-hazardous (National Occupational Health and Safety Commission - NOHSC)
Risk phrases: Not applicable
Safety phrases: See sections 4, 5, 6, 7, 8, 9, 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.
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]	20.0
Propylene glycol	[57-55-6]	70.0
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:	If product gets on skin wash affected areas with plenty of soap and water. Seek medical advice if irritation occurs.
Eye contact:	Rinse immediately with copious quantities of water to remove material. Seek medical assistance if irritation occurs.
Ingestion:	Do not induce vomiting. Wash mouth out with water. Keep at rest. Seek medical advice.
First Aid Facilities:	Ensure washing facilities are available.
Symptoms:	No human poisoning cases have been reported. After high doses in animal experiments nasal secretion, lacrimation, lethargy and diarrhoea have been observed.
Medical attention:	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:	Extinguish fire using: Carbon dioxide, Dry agent, Water spray, Foam
Hazards from combustion products:	In the event of fire, hydrogen fluoride, oxides of carbon and nitrogen may be released.
Precautions for fire fighters:	Firefighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Contain fire-fighting water by bunding area with sand or earth to prevent it entering any bodies of water. Dispose of extinguishing agent and spillage safely later. Contamination of water bodies should be avoided.

6. ACCIDENTAL RELEASE MEASURES

Dealing with spills and disposals may result in the potential for increased personal exposure. Protective clothing and equipment as described in the PERSONAL PROTECTION section should be worn. Avoid contact with spilled material or contaminated surfaces. 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.

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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

Flammability (explosive) limits: Not available

Auto-ignition temperature: Not available

Octanol/water partition coefficient: Not available

Formulation: Gel bait

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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, and direct sunlight
Incompatible materials:	None known
Hazardous decomposition products:	In the event of fire, hydrogen fluoride, oxides of carbon and nitrogen may be released.

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

ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Oral toxicity:	LD ₅₀ rat: > 5000 mg/kg
Dermal toxicity:	LD ₅₀ rat: >2000 mg/kg
Inhalation toxicity:	LC ₅₀ (4 h) rat: > 5 mg/L (hydramethylnon)
Skin irritation:	Not irritating
Eye irritation:	Not irritating
Sensitisation:	Non-sensitising

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.

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12. ECOLOGICAL INFORMATION

Fish toxicity:	Hydramethylnon: LC ₅₀ : 1.70 mg/L (96 h) bluegill sunfish. Hydramethylnon: LC ₅₀ : 0.16 mg/L (96 h) rainbow trout
Daphnia toxicity:	Hydramethylnon: LC ₅₀ : 1.14 mg/L (48 h) Daphnia magna.
Toxicity to algae:	Not available
Bird toxicity:	Hydramethylnon: LD ₅₀ : >2510 mg/kg mallard ducks Hydramethylnon: LD ₅₀ : 1828 mg/kg bobwhite quail
Bee toxicity:	Non-toxic topically to honeybees at 0.03 mg/bee
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.

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
Marine pollutant:	No

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

Australian Pesticides and Veterinary Medicines Authority Approval Number: 56626

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16. OTHER INFORMATION

Trademark

information: Maxforce® is a Registered Trademark of Bayer

Preparation

information: Replaces November 10th, 2003 edition.
Reasons for update: Formulation composition, First aid measures, Firefighting measures.

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