

MATERIAL SAFETY DATA SHEET

Maxforce® Granular Insect Bait

Date of Issue: October 14, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Maxforce® Granular Insect Bait
Other names: None
Product code: Not available
SAP product code: 28775 (283 g); 28776 (2.72 kg)
Recommended use: A granular insecticide for use by Professional Pest Control Operators in the control of ants in various 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]	10
Other ingredients	(non hazardous)	990

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Maxforce® Granular Insect Bait

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:** No first aid measures are normally required. However if dust has been inhaled and irritation has developed remove patient to fresh air and observe until recovered. If irritation persists or becomes painful seek medical advice.
- 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 are associated with exposure to this product.
- Medical attention:** Treat symptoms.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Extinguish fire using: Carbon dioxide, Dry agent, Water spray, Foam
- Hazards from combustion products:**
- 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® Granular Insect Bait

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. A blanket limit of 10 mg/m³ for dusts and mists has been established when limits are not otherwise specified.
- 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: Not normally required when handling product but it is recommended to wear waterproof gloves as good practice.
- Respiratory: Not normally required.
- Other: Wear appropriate foot-wear for the situation in which the product is applied.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Off-white to brown granulated solid.
- Odour:** Characteristic odour.
- Vapour pressure:** Not applicable
- Vapour density:** Not available
- Boiling point:** Not available
- Freezing/melting point:** Decomposes before melting.
- Solubility:** Insoluble
- Density:** Not applicable
- Molecular weight:** 494.5 (Hydramethylnon)
- pH:** Not available
- Flash Point:** Not flammable
- Flammability (explosive) limits:** Not available
- Auto-ignition temperature:** Not available

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Octanol/water partition

coefficient: Not available
Formulation: Granular insecticide

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 by-products in confined spaces.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: The presentation as a granular bait makes inhalation unlikely. Minor irritation from inhalation of dust (if present) may occur.

Skin contact: No symptoms are to be expected through skin contact with this product

Eye contact: May cause irritation of the eye.

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:

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

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

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

Skin irritation: Not available

Eye irritation: Not available

Sensitisation: Not available

MATERIAL SAFETY DATA SHEET

Maxforce® Granular Insect Bait

Date of Issue: October 14, 2002

Chronic:

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

12. ECOLOGICAL INFORMATION

Fish toxicity:	Hydramethylnon: LC ₅₀ : 1.70 mg/L (96 h) bluegill sunfish Hydramethylnon: LC ₅₀ 0.16 mg/L (96 hr) 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:	Hydramethylnon dust is non-toxic topically to honeybees at 0.03 mg/bee
Other:	No data available
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

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority approval number: 56627

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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 internal technical information.

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