

MATERIAL SAFETY DATA SHEET

Maxforce® Granular Insect Bait

Date of Issue: September 15th, 2006

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Maxforce® Granular Insect Bait
Other names: Maxforce Professional Insect Control Granular Insect Bait
Product code: 4318845 (283 g), 4318853 (2.72 kg)
Chemical group: Hydrazide
Recommended use: A granular insecticide for use by Professional Pest Control Operators in the control of ants in various situations.
Formulation: Granular 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 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: 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]	10
Sodium salicylate	[54-21-7]	1.0
Other ingredients	(non hazardous)	989

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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:** 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. Seek medical advice if irritation occurs.
- Eye contact:** If product gets in eyes wash eyes with copious quantities of water to remove material. 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 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.

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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.

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. During processing, dust may form explosive mixture in air.

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.

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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
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.

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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:	LD ₅₀ rat: 1131 – 1300 mg/kg (hydramethylnon)
Dermal toxicity:	LD ₅₀ rabbit: > 5000 mg/kg (hydramethylnon)
Inhalation toxicity:	LC ₅₀ (4 h) rat: > 5 mg/L (hydramethylnon)
Skin irritation:	Not irritating (hydramethylnon)
Eye irritation:	May cause reversible irritation (hydramethylnon)
Sensitisation:	Non-sensitising (hydramethylnon)

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.

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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 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
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: 56627

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16. OTHER INFORMATION

Trademark information: Maxforce® is a Registered Trademark of Bayer

Preparation information: Replaces October 14, 2002 edition.
Reason for update: Formulation composition, First aid measures, Firefighting measures, Hazards from combustion products.

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