# 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

**Product name:** Maxforce® GB Granular Ant Bait  
**Other names:** None  
**Product code:** 5990660 (907 g)  
**Chemical group:** Hydrazide  
**Recommended use:** A granular bait insecticide for control of fire ants and other ants in a variety of 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](http://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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number:</th>
<th>Concentration (g/kg):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydramethylnon</td>
<td>67485-29-4</td>
<td>10</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>(non hazardous)</td>
<td>990</td>
</tr>
</tbody>
</table>
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.
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.

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: Wear waterproof gloves when handling product.

Respiratory: Not normally required.

Other: Wear appropriate foot-wear for the situation in which the product is applied.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Off-white to brown granulated solid.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic odour.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing/melting point</td>
<td>Decomposes before melting.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>494.5 (Hydramethylnon)</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (explosive) limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Octanol/water partition coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Formulation</td>
<td>Granular bait</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under normal conditions of use. No dangerous reaction known under normal conditions.</td>
</tr>
<tr>
<td>Hazardous polymerisation</td>
<td>None</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Extreme heat and fire</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>None known</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>In the event of fire, hydrogen fluoride, oxides of carbon and nitrogen may be released.</td>
</tr>
</tbody>
</table>
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 (OR ACTIVE IF INDICATED):

Acute:

Oral toxicity: LD₅₀ rat: >5000 mg/kg

Dermal toxicity: LD₅₀ rabbit: >2000 mg/kg

Inhalation toxicity: LC₅₀ (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.

12. ECOLOGICAL INFORMATION

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


Toxicity to algae: Not available

Bird toxicity: Hydramethylnon: LD₅₀: >2510 mg/kg mallard ducks
               Hydramethylnon: LD₅₀: 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: 54361

16. OTHER INFORMATION

Trademark information: Maxforce® is a Registered Trademark of Bayer
Reasons for update: First aid measures, Firefighting measures, Accidental release measures, Hazardous decomposition products.

Data sources: Bayer CropScience internal technical information and BCPC Pesticides Manual.

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