



Material Safety Data Sheet

MAXFORCE® FIRE ANT KILLER GRANULAR BAIT

MSDS Number: 102000005014

MSDS Version 2.0

Revision Date: 05/10/2006

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® FIRE ANT KILLER GRANULAR BAIT
MSDS Number 102000005014
EPA Registration No. 432-1265

Bayer Environmental Science
 2 T.W. Alexander Drive
 Research Triangle PK, NC 27709
 USA

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)
 For Product Information call: 1-800-331-2867

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Hydramethylnon	67485-29-4	1.00

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview Caution! Mild eye irritation. May cause mild irritation to the skin. Avoid contact with skin, eyes and clothing. Applicators should wear gloves and wash hands thoroughly after handling.

Physical State solid granular

Routes of Exposure Eye contact, Skin contact, Ingestion

Immediate Effects

Eye Mild eye irritation. Avoid contact with eyes.

Skin May cause mild irritation to the skin. Avoid contact with skin and clothing.

Ingestion Do not take internally.

SECTION 4. FIRST AID MEASURES

General When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.



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Eye	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
Skin	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
Notes to Physician Treatment	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	> 93.4 °C / > 200.1 °F
Suitable Extinguishing Media	water, foam, carbon dioxide (CO2), dry chemical
Fire Fighting Instructions	<p>Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.</p> <p>Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.</p>

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
Methods for Cleaning Up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Additional Advice	Use personal protective equipment. Do not allow product to enter streams, sewers or other waterways.



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SECTION 7. HANDLING AND STORAGE

Handling Procedures	<p>Avoid contamination of feed and foodstuffs. Food utensils such as teaspoons or measuring cups must not be used for food purposes after use in measuring pesticides.</p> <p>Handle and open container in a manner as to prevent spillage. Keep out of reach of children and animals.</p>
Storing Procedures	<p>Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.</p>
Work/Hygienic Procedures	<p>Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.</p> <p>Take off contaminated clothing and shoes immediately. Then wash thoroughly and put on clean clothing.</p> <p>Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.</p>

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection	<p>Follow all label instructions. Train employees in safe use of the product.</p> <p>Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.</p>
Engineering Controls	<p>Ensure adequate ventilation.</p>
Eye/Face Protection	<p>safety glasses</p>
Hand Protection	<p>Chemical resistant nitrile rubber gloves</p>
Body Protection	<p>Wear long-sleeved shirt and long pants and shoes plus socks.</p>
Respiratory Protection	<p>When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or Industry recommendations.</p>

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	<p>solid granular</p>
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Density 51 g/cm³
Melting / Freezing Point 60 °C / 140 °F

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity male rat: LD50: 1,131 mg/kg
The value mentioned relates to the active ingredient hydramethylnon.

Acute Dermal Toxicity rabbit: LD50: > 5,000 mg/kg
The value mentioned relates to the active ingredient hydramethylnon.

Skin Irritation rabbit: Moderate skin irritation.
The value mentioned relates to the active ingredient hydramethylnon.

Subacute dermal studies in which rabbits were exposed to the active ingredient at levels of 250 mg/kg/day for 21 days did not reveal any adverse findings.

Eye Irritation rabbit: The value mentioned relates to the active ingredient hydramethylnon.
Reversible irritation after 24-hour wash phase.
No irritation after a 20-second wash phase.

Chronic Toxicity No conclusive oncogenic effects were observed in mice and rats at any dose level tested. However, under microscopic examination, from chronic feeding studies in rats, mice and dogs, there was wasting of muscle and subcutaneous fat as well as testicular atrophy in high dose males. Decreased body weight, anorexia and signs of emaciation were prominent in high dose feeding groups (200 ppm)

Assessment Carcinogenicity

- ACGIH**
None.
- NTP**
None.
- IARC**
None.
- OSHA**
None.

Reproductive & Developmental Toxicity In a multi-generation reproduction study, reproductive performance was not compromised by hydramethylnon administration. However, all high dose treatment groups (200 ppm) exhibited decreased body weights, anorexia and poor fertility.



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Teratogenicity No teratogenic effects were found at any dose level tested in albino rats. However, at the dose level of 30 mg/kg/day (highest dose tested), hydramethylnon produce both maternal and embryotoxic effects.

Mutagenicity Technical Hydramethylnon was examined in the Ames mutagenicity test and was found to be nonmutagenic. Similar results were achieved in a Dominant Lethal Test conducted in male rats treated with hydramethylnon by gavage for 5-days.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions Toxic to fish. Do not apply directly to water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product only as specified on the label.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Do not contaminate water, food, or feed by storage or disposal.

Container Disposal Do not rinse container. Wrap and discard in trash. Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:
Not regulated for shipment by any mode of transportation

FREIGHT TRANSPORTATION:
Insecticides or Fungicides, N.O.I.; other than poison

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1265

US Federal Regulations

TSCA list
None.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
None.

SARA Title III - Section 302 - Notification and Information
None.

SARA Title III - Section 313 - Toxic Chemical Release Reporting



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Hydramethylnon 67485-29-4 1.0%

**US States Regulatory Reporting
CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Hydramethylnon 67485-29-4 Developmental toxin.
Hydramethylnon 67485-29-4 Male reproductive toxin.

US State Right-To-Know Ingredients

Hydramethylnon 67485-29-4 NJ

Canadian Regulations

Canadian Domestic Substance List

None.

Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 1 Reactivity - 0 Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: Re-numbered due to system update; Updated sections as needed.

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