



MAXFORCE® Fire Ant Killer Granular Bait

MSDS Version 1.3

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® Fire Ant Killer Granular Bait
Chemical Name
Synonym
MSDS Number 1780
Chemical Family
Chemical Formulation
EPA Registration No. 432-1265
Canadian Registrat. No.

Bayer Environmental Science
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 USA

For Product Use Information: (800)331-2867 Monday through Friday(CRLF) 8:00AM-4:30PM(CRLF) For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day(CRLF) For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

Product Use Description The following data was taken from the American Cyanamid MSDS for Hydramethylnon Issue Date March 3, 1991.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
			<u>Minimum</u>	<u>Maximum</u>
	Hydramethylnon	67485-29-4	1.0000	
	Other ingredients		99.0000	

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution. Keep out of the reach of children. Hazard to humans and domestic animals. Applicators should wear gloves and wash hands thoroughly after handling.

Physical State granules

Immediate Effects

Eye Minimal eye irritant. Avoid contact with eyes.

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Skin	Avoid contact with skin.
Ingestion	Practically non-toxic.
Medical Conditions Aggravated by Exposure	None known
Signs and Symptoms	Effects resulting from over-exposure are not anticipated to occur.

SECTION 4. FIRST AID MEASURES

Eye	Flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin	Wash skin thoroughly with soap and water.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	94 °C / 201 °F Method: Tagliabue Closed Cup Not flammable or explosive
Fire and Explosion Hazards	Avoid heavy hose streams, airborne dusts of the active ingredient, Hydramethylnon, may create explosive hazard.
Suitable Extinguishing Media	water, foam, carbon dioxide (CO ₂), dry chemical
Fire Fighting Instructions	<p>Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.</p> <p>Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent pesticide run-off. Use spray or fog - solid stream may cause spreading.</p> <p>Conduct fire fighting and rescue operations from upwind of the fire area. Evacuate people downwind who may come in contact with smoke, fumes, or contaminated surfaces. Do not decontaminate personnel or equipment, or handle broken packages or containers without protective equipment as specified in the Section 8. Decontaminate emergency personnel with soap and water before leaving the fire area.</p> <p>Avoid breathing dusts, vapors and fumes from burning materials. Alert medical personnel to be ready to treat for pesticide poisoning. Control run-off water - if water enters a drainage system, advice the authorities downstream.</p>
Dust Explosion Class	The active ingredient, Hydramethylnon, has been treated in a 20-liter spherical bomb (per NFPA 68-1978) and has been found to be a Class 2 dust explosive

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hazard. If the material is further processed, the dust explosion hazard may change and it should be retested.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal Wear appropriate gear for the situation. See Personal Protection information in Section 8. Sweep up spilled material. Place in a container for disposal. Flush with water.

SECTION 7. HANDLING AND STORAGE

Handling Procedures Avoid contact with skin and eyes.
Avoid contamination of food, food contact surfaces and feedstuffs. Maintain good housekeeping to control dust accumulations.

Storing Procedures Keep out of reach of children. Avoid direct exposure of pets and domestic animals to this product. Do not contaminate water, food, or feed by storage or disposal. Store in original container. Keep in a dry, cool place. Store product in a secure storage area.

This product is formulated in an oil bait that functions as an attractant to ants. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening.

Keep away from sources of ignition and protect from exposure to fire and heat.

Work/Hygienic Procedures Immediately remove contaminated clothing should contact occur. Wash contaminated clothing before reuse.

Employees engaged in handling bulk quantities of Hydramethylnon should remove clothing and shower prior to exiting the work site. All employees working with the material should wash their hands prior to consuming food or tobacco products.

A NIOSH-approved respirator must be worn by employees where it is not feasible to use engineering controls and employee-exposure exceeds 1.4 mg/m³.

A NIOSH-approved cartridge respirator for pesticides is acceptable for exposure up to 10 X the TWA. Use a NIOSH-approved air or self-contained pressure demand respirator for higher levels of exposure.

Food, gum and tobacco products should not be allowed in areas where material is being processed.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use general ventilation to minimize exposure.
Eye/Face Protection	Dust-proof goggles are recommended for employees engaged in operations where there is a risk of accidental exposure to eyes from the active ingredient, Hydramethylnon.
Body Protection	Wear impervious gloves. When handling large amounts of product wear impervious aprons. Normal work clothing, like cloth overalls, is indicated.
Respiratory Protection	A NIOSH-approved respirator must be worn by employees where it is not feasible to use engineering controls and employee-exposure exceeds 1.4 mg/m ³ .
General Protection	All electrical wiring and equipment should meet the provisions of NFPA-70.
Exposure Limits	None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	granules
Specific Gravity	51

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Melting/Freezing Point 60 °C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability This material is stable under normal handling and storage conditions described in Section 7.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity The active ingredient, Hydramethylnon
Male Rat: LD50: 1,131 mg/kg
Moderately toxic.

Acute Dermal Toxicity The active ingredient, Hydramethylnon
Rabbit: LD50: > 5,000 mg/kg
Practically non-toxic.

Acute Inhalation Toxicity The active ingredient, Hydramethylnon
Practically nonhazardous.

Skin Irritation The active ingredient, Hydramethylnon
Rabbit: Mild to moderate skin irritation.

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 The active ingredient, Hydramethylnon
Rabbit: 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 & In a multi-generation reproduction study, reproductive performance was not

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Developmental Toxicity	compromised by hydramethylnon administration. However, all high dose treatment groups (200 ppm) exhibited decreased body weights, anorexia and poor fertility.
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	This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment wastewaters.
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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 container and put in trash collection. 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.
RCRA Classification	Not Regulated under this Statute

SECTION 14. TRANSPORT INFORMATION

SECTION 15. REGULATORY INFORMATION

US Federal		
EPA Registration No.	432-1265	
TSCA list		
None		
TSCA 12b export notification		
None		
SARA Title III - section 302 - notification and information		
None		
SARA Title III - section 313 - toxic chemical release reporting		
Hydramethylnon	67485-29-4	1.0%
US States Regulatory		
CA Prop65		

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

US State right-to-know ingredients

Hydramethylnon

67485-29-4

NJ

Canadian Regulations

Canadian Registrat. No.

Canadian Domestic Substance List

None

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

None

SECTION 16. OTHER INFORMATION

Company transfer and new EPA number

Print Date: 01/27/2003

Supersedes MSDS, which is older than: 01/24/2003

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