



MAXFORCE® Roach Killer Bait Gel (Syringe)

MSDS Version 1.0

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® Roach Killer Bait Gel (Syringe)
Chemical Name
Synonym
MSDS Number 1881
Chemical Family
Chemical Formulation
EPA Registration No. 432-1254
Canadian Registrat. No. 24239

Bayer CropScience Inc
 #100 - 3131 - 114th Avenue SE
 Calgary, AB T2Z 3X2
 Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

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	2.1500	
	Inert ingredients		97.8500	

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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. Keep exposed gel away from open food and food contact surfaces. Use only in areas not easily accessible to children and pets. Products may stain textiles and clothing.

Physical State gel (thick)

Odor sweet

Appearance brown

Immediate Effects

Eye May be minimally irritating to the eyes following prolonged direct contact.

Skin Avoid contact with skin or clothing. Wash hands thoroughly after handling. May be minimally irritating to the skin following prolonged direct contact. Not acutely toxic upon dermal exposure.

Ingestion May be harmful if swallowed. Not acutely toxic upon oral exposure.

Medical Conditions Aggravated by Exposure No known health conditions are aggravated by exposure to this product.

Signs and Symptoms Effects resulting from over-exposure are not anticipated to occur.

SECTION 4. FIRST AID MEASURES

Ingestion If swallowed, drink two glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point 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 (CO₂), dry chemical

Fire Fighting Instructions Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.

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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.

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.

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.

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 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.
Clean up and place in an appropriate closed container (see Section 7: Handling and Storage). Flush with water.

SECTION 7. HANDLING AND STORAGE

Handling Procedures

Avoid contact with skin and eyes.

Maintain good housekeeping to control dust accumulation of Hydramethylnon.

Storing Procedures

Do not contaminate water, food, or feed by storage or disposal. Keep in a dry, cool place. Keep in a well-ventilated place. Store in an area that is away from ignition sources. Do not use or store near heat or open flame. Keep out of reach of children.

Work/Hygienic Procedures

Avoid contact with skin and clothing. Wash skin with soap and water if contact. Remove contaminated clothing and launder before re-wearing.

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

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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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use general ventilation to minimize exposure. Local exhaust ventilation should be used to maintain exposures below the 8-hour TWA and to control the generation of airborne dust from the active ingredient, Hydramethylnon, at points of transfer or other points where full enclosure is not feasible.
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	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	Do to the dust explosion hazard of the active ingredient, Hydramethylnon, all equipment should have explosion venting per NFPA 68-1978. All electrical wiring and equipment should meet the provisions of NFPA-70.
Exposure Limits	None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	brown
Physical State	gel (thick)
Odor	sweet
pH	6.5 - 7.5

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Density 9.67 - 10.5 lbs/gal

SECTION 10. STABILITY AND REACTIVITY

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

Conditions to Avoid Product will stain porous surfaces.

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 irritaiton after a 20-second wash phase.

Chronic Toxicity The active ingredient, Hydramethylnon
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 subcuaneous fat as well as tecticular atrophy in high dose males. Decreased body weight, anorexia and signs of amaciation were prominent in high dose feeding groups (200 ppm)

Assessment Carcinogenicity

ACGIH

None

NTP

None

IARC

None

OSHA

None

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Reproductive & Developmental Toxicity	Hydramethylnon, the active ingredient: 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.
Teratogenicity	Hydramethylnon, the active ingredient: 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

Ecological Information	For ecotoxicological data call the product information phone number listed in Section 1.
Environmental Fate	For chemical fate data call the product information phone number listed in Section 1.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance	Place in a container for disposal. Dispose in accordance with Local, State and Federal regulations. EPA Hazardous Waste - No
Container Disposal	Wrap used dispenser and place in trash can.
RCRA Classification	Not Regulated under this Statute

SECTION 14. TRANSPORT INFORMATION

TDG Canada: Not Regulated for road or rail.

SECTION 15. REGULATORY INFORMATION

US Federal	
EPA Registration No.	432-1254
TSCA list	

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None

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory

CA Prop65

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

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

US State right-to-know ingredients

None

Canadian Regulations

Canadian Registrat. No.

24239

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 product.
HSE Department of Bayer CropScience Inc. (1-306-721-0310)

Revision Date: 03.02.2006

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