



MAXFORCE® Professional Insect Control® Roach Killer Bait Gel

MSDS Version 1.5

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® Professional Insect Control® Roach Killer Bait Gel
Chemical Name
Common Name
MSDS Number 1772
Chemical Family
Chemical Formulation
EPA Registration No. 432-1254

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

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>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Hydramethylnon	67485-29-4	2.1500	

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview

Caution! Keep out of the reach of children. Hazards 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.

Odor Sweet

Appearance Brown

Immediate Effects

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

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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

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.
Skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
Ingestion	Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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	<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</p>

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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, advise 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 the 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 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

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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/m3.
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
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

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None

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.

Additional Environmental Information

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

For transportation Regulatory Information call the Product Information phone number in Section 1.

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SECTION 15. REGULATORY INFORMATION

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US Federal Regulations

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 Reporting

CA Prop65

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

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

None

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SECTION 16. OTHER INFORMATION

NFPA	Health	Flammability	Reactivity	Others
	1	1	1	

REASON TO ISSUE: To include NFPA ratings for Section 16.

Approval Date: 10/31/2003

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