



Material Safety Data Sheet

MAXFORCE® Professional Insect Control® Granular Insect Bait

MSDS Version 1.4

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® Professional Insect Control® Granular Insect Bait
Chemical Name
Common Name
MSDS Number 1773
Chemical Family
Chemical Formulation
EPA Registration No. 432-1255
Product Use The following data was taken from the American Cyanamid MSDS for Hydramethylnon Issue Date March 3, 1991.

MaxForce® Granular Insect Bait is a ready to use product for use in and around buildings, on lawns, and other non-crop areas for control of roaches, crickets and a variety of ants species.

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>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Hydramethylnon	67485-29-4	1.0000	

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Hazard to humans and domestic animals. Keep out of reach of children and animals. Applicators should wear gloves and wash hands thoroughly after handling. Avoid prolonged exposure to sunlight (active will degrade). Do not apply directly to water.

Odor None

Material Safety Data Sheet

MSDS Number: 000000001773
MSDS Version 1.4

MAXFORCE® Professional Insect Control® Granular Insect Bait

Immediate Effects

Eye Avoid contact with the eyes.

Skin Avoid contact with skin.

Ingestion May be harmful if swallowed.

Medical Conditions Aggravated by Exposure No specific medical conditions are known which may be aggravated by exposure to this product.

SECTION 4. FIRST AID MEASURES

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

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 (CO₂), Dry chemical

Water, Foam, Carbon dioxide (CO₂), Dry chemical

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

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, 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.

Material Safety Data Sheet

MSDS Number: 000000001773
MSDS Version 1.4

MAXFORCE® Professional Insect Control® Granular Insect Bait

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

SECTION 7. HANDLING AND STORAGE

Handling Procedures Do not use on edible food or on areas intended for edible food crop production. Avoid contamination of food, food contact surfaces and feedstuffs. Indoor applications are limited to areas that are inaccessible to children or pets.

Storing Procedures Pets may be attracted to this product. Keep pets away from treated areas for at least 24 hours after application.

Do not contaminate water, food, or feed by storage or disposal. Keep away from sources of ignition and protect from exposure to fire and heat. Avoid contamination from other insecticides. Keep container closed when not in use. Store in a place accessible by authorized persons only. Keep in a dry, cool place.

Work/Hygienic Procedures 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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls 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

Material Safety Data Sheet

MSDS Number: 000000001773
MSDS Version 1.4

MAXFORCE® Professional Insect Control® Granular Insect Bait

feasible to use engineering controls and employee-exposure exceeds 1.4 mg/m³.

General Protection All electrical wiring and equipment should meet the provisions of NFPA-70.

Exposure Limits None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor None

Specific Gravity 0.60

Melting/Freezing Point > 60 °C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity The value mentioned relates to the active ingredient hydramethylnon.
Male Rat: LD50: 1,131 mg/kg
Moderately toxic.

Acute Dermal Toxicity The value mentioned relates to the active ingredient hydramethylnon.
Rabbit: LD50: > 5,000 mg/kg
Practically non-toxic.

Acute Inhalation Toxicity The value mentioned relates to the active ingredient hydramethylnon.
Practically nonhazardous.

Skin Irritation The value mentioned relates to the active ingredient hydramethylnon.
Rabbit: moderately irritant
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 value mentioned relates to 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 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

Material Safety Data Sheet

MSDS Number: 000000001773
MSDS Version 1.4

MAXFORCE® Professional Insect Control® Granular Insect Bait

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.

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

Do not apply directly to water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Toxic to fish.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance

Dispose in accordance with all local, state/provincial and federal regulations. Do not contaminate water, food, or feed by storage or disposal.

Container Disposal

Do not reuse empty container for any use other than this product. Wrap empty container and place in trash can.

RCRA Classification

Not Regulated under this Statute

SECTION 14. TRANSPORT INFORMATION

US DOT: NOT REGULATED for Domestic Surface Transport

IMDG: NOT REGULATED for Maritime Transport

SECTION 15. REGULATORY INFORMATION

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Material Safety Data Sheet

MSDS Number: 000000001773
MSDS Version 1.4

MAXFORCE® Professional Insect Control® Granular Insect Bait

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 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.
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Hydramethylnon	67485-29-4	Male reproductive toxin.
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US State right-to-know ingredients

Hydramethylnon	67485-29-4	NJ
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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

Material Safety Data Sheet

MSDS Number: 000000001773

MAXFORCE® Professional Insect Control® Granular Insect Bait

MSDS Version 1.4

SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
NFPA	1	1	1	

Reason to Issue: Revised the following sections: Section 2 - Removed the other ingredients; Section 14 - Add transportation information; Section 15 - Update CA Prop65 information; Section 16 - Add NFPA codes.

Approval Date: 05/24/2004

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