



**MAXFORCE® Professional Insect Control® Fine Granule Insect Bait**

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name** MAXFORCE® Professional Insect Control® Fine Granule Insect Bait  
**Chemical Name**  
**Synonym**  
**MSDS Number** 1778  
**Chemical Family**  
**Chemical Formulation**  
**EPA Registration No.** 432-1262  
**Canadian Registrat. No.**

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.

MaxForce® Fine 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.

**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                          |                |

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### SECTION 3. HAZARDS IDENTIFICATION

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

|  |  |
|--|--|
| <b>Emergency Overview</b>                        | Caution. Keep out of the reach of children. Hazards to humans. 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. |
| <b>Physical State</b>                            | granules   |
| <b>Immediate Effects</b>                         |  |
| <b>Eye</b>                                       | Avoid contact with eyes.   |
| <b>Skin</b>                                      | Avoid contact with skin.   |
| <b>Ingestion</b>                                 | May be harmful if swallowed.   |
| <b>Medical Conditions Aggravated by Exposure</b> | No known health conditions are aggravated by exposure to this product.   |
| <b>Signs and Symptoms</b>                        | Effects resulting from over-exposure are not anticipated to occur.   |

### SECTION 4. FIRST AID MEASURES

|                  |  |
|------------------|--|
| <b>Ingestion</b> | Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger, or by giving 1 ounce of syrup of ipecac, if available. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention. |
|------------------|--|

### SECTION 5. FIRE FIGHTING MEASURES

|                                     |  |
|-------------------------------------|--|
| <b>Flash Point</b>                  | > 94 °C / > 201 °F<br>Method: Tagliabue Closed Cup<br>Not flammable or Explosive   |
| <b>Fire and Explosion Hazards</b>   | Avoid heavy hose streams, airborne dusts of the active ingredient, Hydramethylnon, may create explosive hazard.  |
| <b>Suitable Extinguishing Media</b> | water, foam, carbon dioxide (CO2), dry chemical  |
| <b>Fire Fighting Instructions</b>   | Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.<br><br>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 |

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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.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### General and Disposal

Non-hazardous waste. 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

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.

Store in a cool, dry secured storage area. Keep container closed when not in use. Avoid contamination from other insecticides. 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.

### 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/m<sup>3</sup>.

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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

|                               |  |
|-------------------------------|--|
| <b>Engineering Controls</b>   | 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. |
| <b>Eye/Face Protection</b>    | 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.  |
| <b>Body Protection</b>        | Normal work clothing, like cloth overalls, is indicated.   |
| <b>Respiratory Protection</b> | 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 <sup>3</sup> .   |
| <b>General Protection</b>     | All electrical wiring and equipment should meet the provisions of NFPA-70.   |
| <b>Exposure Limits</b>        | None Established   |

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |          |
|-------------------------|----------|
| <b>Physical State</b>   | granules |
| <b>Specific Gravity</b> | 0.60     |

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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** 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 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

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|  |   |
|--|---|
| <b>Reproductive &amp; Developmental Toxicity</b> | 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. |
| <b>Teratogenicity</b>                            | 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.                                |
| <b>Mutagenicity</b>                              | 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

|                                  |  |
|----------------------------------|--|
| <b>Environmental Precautions</b> | 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. |
|----------------------------------|--|

### SECTION 13. DISPOSAL CONSIDERATIONS

|                                  |  |
|----------------------------------|--|
| <b>General Disposal Guidance</b> | Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations. |
| <b>Container Disposal</b>        | Do not reuse empty container for any use other than this product. Wrap empty container and place in trash can.                       |
| <b>RCRA Classification</b>       | Not Regulated under this Statute   |

### SECTION 14. TRANSPORT INFORMATION

### SECTION 15. REGULATORY INFORMATION

#### US Federal

**EPA Registration No.** 432-1262

#### 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

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### CA Prop65

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

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## SECTION 16. OTHER INFORMATION

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Company transfer and new EPA number

Print Date: 01/27/2003

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

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