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
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.

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

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS No.</th>
<th>Concentration % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydramethylnon</td>
<td>67485-29-4</td>
<td>1.0000 Minimum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.0000 Maximum</td>
</tr>
<tr>
<td>Other ingredients</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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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. 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.

Physical State
granules

Immediate Effects

Eye
Avoid contact with eyes.

Skin
Avoid contact with skin.

Ingestion
May be harmful if swallowed.

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
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

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, Hydromethylnon, 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.

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, advice the authorities downstream.

Dust Explosion Class

The active ingredient, Hydramethylinon, 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 Hydramethylinon 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 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

**Physical State**
granules

**Specific Gravity**
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

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral Toxicity</td>
<td>The active ingredient, Hydramethylinon. Male Rat: LD50: 1,131 mg/kg. Moderately toxic.</td>
</tr>
<tr>
<td>Acute Dermal Toxicity</td>
<td>The active ingredient, Hydramethylinon. Rabbit: LD50: &gt; 5,000 mg/kg. Practically non-toxic.</td>
</tr>
<tr>
<td>Acute Inhalation Toxicity</td>
<td>The active ingredient, Hydramethylinon. Practically nonhazardous.</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>The active ingredient, Hydramethylinon. 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.</td>
</tr>
<tr>
<td>Eye Irritation</td>
<td>The active ingredient, Hydramethylinon. Rabbit: Reversible irritation after 24-hour wash phase. No irritation after a 20-second wash phase.</td>
</tr>
<tr>
<td>Chronic Toxicity</td>
<td>The active ingredient, Hydramethylinon. 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 subcuanous fat as well as testicular atrophy in high dose males. Decreased body weight, anorexia and signs of amaciation were prominent in high dose feeding groups (200 ppm)</td>
</tr>
</tbody>
</table>

Assessment Carcinogenicity

<table>
<thead>
<tr>
<th>Agency</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>None</td>
</tr>
<tr>
<td>NTP</td>
<td>None</td>
</tr>
<tr>
<td>IARC</td>
<td>None</td>
</tr>
<tr>
<td>OSHA</td>
<td>None</td>
</tr>
</tbody>
</table>

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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
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

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

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

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

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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