



## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name** MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations  
**Chemical Name**  
**Common Name**  
**MSDS Number** 1771  
**Chemical Family**  
**Chemical Formulation**  
**EPA Registration No.** 432-1251

Bayer Environmental Science  
 2 T.W. Alexander Drive  
 Research Triangle PK, 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 were derived 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	2.0000	

### SECTION 3. HAZARDS IDENTIFICATION

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

**Emergency Overview** Caution! Keep out of reach of children and animals. Hazards to humans and domestic animals. May be harmful if swallowed.  
 The formulation is packaged in a child-resistant container.

**Odor** Odorless

**Immediate Effects**

**Skin** May be minimally irritating to the skin following prolonged direct contact. Not acutely toxic upon dermal exposure.

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

# Material Safety Data Sheet

MSDS Number: 000000001771

## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

MSDS Version 1.3

**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, 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.

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.

# Material Safety Data Sheet

## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

MSDS Number: 000000001771  
MSDS Version 1.3

### 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

**Storing Procedures** Do not contaminate water, food, or feed by storage or disposal. Store in a secure, dry well-ventilated separate room, building or covered area. 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>.

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

**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<sup>3</sup>.

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

# Material Safety Data Sheet

## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

MSDS Number: 000000001771  
MSDS Version 1.3

### Exposure Limits

None Established

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Odor</b>	Odorless
<b>Specific Gravity</b>	1.4
<b>Melting/Freezing Point</b>	60 °C

### SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	This material is stable under normal handling and storage conditions described in Section 7.
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### SECTION 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity</b>	The active ingredient, Hydramethylnon Male Rat: LD50: 1,131 mg/kg Moderately toxic.
<b>Acute Dermal Toxicity</b>	The active ingredient, Hydramethylnon Rabbit: LD50: > 5,000 mg/kg Practically non-toxic.
<b>Acute Inhalation Toxicity</b>	The active ingredient, Hydramethylnon Practically nonhazardous.
<b>Skin Irritation</b>	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.
<b>Eye Irritation</b>	The active ingredient, Hydramethylnon Rabbit: Reversible irritation after 24-hour wash phase. No irritation after a 20-second wash phase.
<b>Chronic Toxicity</b>	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

# Material Safety Data Sheet

MSDS Number: 000000001771

## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

MSDS Version 1.3

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

### 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

### 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

Dispose in accordance with all local, state/provincial and federal regulations.

### Container Disposal

Do not remove bait from container. Wrap used container and put in a trash can.

### RCRA Classification

Not Regulated under this Statute

# Material Safety Data Sheet

## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

MSDS Number: 000000001771  
MSDS Version 1.3

### SECTION 14. TRANSPORT INFORMATION

For transportation regulatory information, call the product information phone number in Section 1.

### SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1251

#### 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

# Material Safety Data Sheet

MSDS Number: 000000001771

## MAXFORCE® Professional Insect Control® Roach Killer Small Bait Stations

MSDS Version 1.3

None  
European Inventory of Existing Commercial Substances (EINECS)  
None

### SECTION 16. OTHER INFORMATION

NFPA	Health	Flammability	Reactivity	Others
	1	1	1	

REASON FOR ISSUE: To remove other ingredients in Section 2; include transportation information in Section 14 and NFPA ratings in Section 16.

Approval Date: 10/31/2003

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