



## MAXFORCE® Ant Control System

MSDS Version 1.

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name** MAXFORCE® Ant Control System  
**Chemical Name**  
**Synonym**  
**MSDS Number** 1883  
**Chemical Family**  
**Chemical Formulation**  
**EPA Registration No.** 432-1252  
**Canadian Registrat. No.** 22839

Bayer CropScience Inc  
 #100 - 3131 - 114th Avenue SE  
 Calgary, AB T2Z 3X2  
 Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

**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>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	

### SECTION 3. HAZARDS IDENTIFICATION

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

**Emergency Overview** The formulation is packaged in a child-resistant container.

Caution. Keep out of the reach of children. Hazard to humans and domestic animals. May be harmful if swallowed.

**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.

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**Medical Conditions Aggravated by Exposure** No known health conditions are aggravated by exposure to this product.

**Signs and Symptoms** Untoward 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 (CO<sub>2</sub>), 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.

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### 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 should be used.

**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.

**Exposure Limits**

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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 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)

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### 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.

### Environmental Fate

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 stations. Wrap used stations and put in a garbage can.

### RCRA Classification

Not Regulated under this Statute

## SECTION 14. TRANSPORT INFORMATION

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### SECTION 15. REGULATORY INFORMATION

#### US Federal

**EPA Registration No.** 432-1252

**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**

None

#### US States Regulatory

**CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

#### US State right-to-know ingredients

None

#### Canadian Regulations

**Canadian Registrat. No.** 22839

**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 product.

Prepared by HSE Department of Bayer CropScience Inc. (1-306-721-0310)

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Print Date: 13.03.2003

Supersedes MSDS, which is older than: 13.03.2003

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