



Material Safety Data Sheet

**MAXFORCE® PROFESSIONAL INSECT CONTROL®
ROACH KILLER BAIT GEL**

MSDS Number: 102000001393
MSDS Version 2.1
Revision Date: 05/01/2008

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL
MSDS Number 102000001393
EPA Registration No. 432-1254

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>Average % by Weight</u>
Hydramethylnon	67485-29-4	2.15
Oleic acid	112-80-1	2.04
Starch	9005-25-8	1.00

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes and clothing. Keep exposed gel away from open food and food contact surfaces.

Physical State gel

Odor odourless

Appearance brown

Routes of Exposure Ingestion, Skin Absorption, Eye contact

Immediate Effects

Eye May be minimally irritating following prolonged direct contact.

Skin May be minimally irritating following prolonged direct contact. Avoid contact with skin and clothing.



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Ingestion Harmful if swallowed. Do not take internally.

Chronic or Delayed Long-Term This product or its components may have target organ effects. This product or its components may have long term (chronic) health effects.

SECTION 4. FIRST AID MEASURES

- General** When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
- Eye** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
- Skin** Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.
- Ingestion** Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.
- Inhalation** Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
- Notes to Physician Treatment** There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5. FIRE FIGHTING MEASURES

- Flash point** no data available
- Fire and Explosion Hazards** Dangerous gases are evolved in the event of a fire.
- Suitable Extinguishing Media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media** High volume water jet



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**Fire Fighting
Instructions**

Keep out of smoke. Fight fire from upwind position. Cool closed containers/
tanks exposed to fire with water spray. Do not allow run-off from fire fighting to
enter drains or water courses.

In the event of fire and/or explosion do not breathe fumes. In the event of fire,
wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled
product or contaminated surfaces.

Methods for Cleaning Up

The nature of this product, when contained in commercial packs, makes spillage
unlikely. However, if significant amounts are spilled nevertheless, the following
advice is applicable. Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder). Collect and transfer the product into a properly
labelled and tightly closed container. Clean contaminated floors and objects
thoroughly, observing environmental regulations.

Additional Advice

Use personal protective equipment. Do not allow to enter soil, waterways or
waste water canal.

SECTION 7. HANDLING AND STORAGE

Handling Procedures

No specific precautions required when handling unopened packs/containers;
follow relevant manual handling advice. Use only in area provided with
appropriate exhaust ventilation.

Storing Procedures

Store in a cool, dry place and in such a manner as to prevent cross
contamination with other pesticides, fertilizers, food, and feed. Store in original
container and out of the reach of children, preferably in a locked storage area.
Keep away from direct sunlight.

Keep away from food, drink and animal feedingstuffs.

**Work/Hygienic
Procedures**

Wash hands thoroughly with soap and water after handling and before eating,
drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

Remove Personal Protective Equipment (PPE) immediately after handling this
product. Before removing gloves clean them with soap and water. Remove
soiled clothing immediately and clean thoroughly before using again. Wash
thoroughly and put on clean clothing.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection	Follow all label instructions. Train employees in safe use of the product. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.
Eye/Face Protection	Tightly fitting safety goggles
Hand Protection	Chemical resistant nitrile rubber gloves
Body Protection	Wear long-sleeved shirt and long pants and shoes plus socks.
Respiratory Protection	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

Exposure Limits

Hydramethylnon	67485-29-4	TX ESL	ST ESL	14 ug/m3
		TX ESL	AN ESL	1.4 ug/m3
Starch	9005-25-8	ACGIH	TWA	10 mg/m3
		NIOSH	REL	5 mg/m3
		NIOSH	REL	10 mg/m3
		OSHA Z1	PEL	5 mg/m3
		OSHA Z1	PEL	15 mg/m3
		OSHA Z1A	TWA	5 mg/m3
		OSHA Z1A	TWA	15 mg/m3
		TX ESL	ST ESL	50 ug/m3
	TX ESL	AN ESL	5 ug/m3	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	brown
Physical State	gel
Odor	odourless
pH	6.5 - 7.5
Density	approx. 1.10 g/cm ³ at 20 °C
Water solubility	partly soluble



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SECTION 10. STABILITY AND REACTIVITY

Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Decomposition Products	toxic gases/vapours
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Only acute toxicity studies have been performed on this product as formulated. The non-acute information pertains to the technical-grade active ingredient, hydramethylnon.

Acute Oral Toxicity	rat: LD50: > 5,000 mg/kg
Acute Dermal Toxicity	rabbit: LD50: > 2,000 mg/kg
Skin Irritation	rabbit: No skin irritation.
Eye Irritation	rabbit: No eye irritation.
Sensitization	guinea pig: Non-sensitizing.
Chronic Toxicity	Hydramethylnon caused testicular and/or lung effects in chronic studies in mice, rats and dogs.

Assessment Carcinogenicity

Hydramethylnon has been classified by U.S. EPA as a Group C-possible human carcinogen based on lung tumors observed in mice. Rats treated with hydramethylnon did not show a carcinogenic potential.

ACGIH		
Starch	9005-25-8	Group A4
NTP		
None.		
IARC		
None.		
OSHA		
None.		

Reproductive & Developmental Toxicity REPRODUCTION: Hydramethylnon is a reproductive toxicant at doses producing systemic toxicity.

DEVELOPMENTAL TOXICITY: Hydramethylnon was not a primary developmental toxicant in rats and rabbits. Developmental effects were



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observed but were considered secondary to maternal toxicity.

Neurotoxicity Hydramethylnon neurotoxicity studies are not required at this time.

Mutagenicity Hydramethylnon was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions Do not allow to get into surface water, drains and ground water. Apply this product as specified on the label.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. Never place unused product down any indoor or outdoor drain.

Container Disposal Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:
Not regulated for Domestic Surface Shipment

FREIGHT CLASSIFICATION:
Insecticides or Fungicides, N.O.I. : other than poison

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1254

US Federal Regulations

TSCA list

Oleic acid 112-80-1
Starch 9005-25-8

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
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%



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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.
Hydramethylnon	67485-29-4	Male reproductive toxin.

US State Right-To-Know Ingredients

Hydramethylnon	67485-29-4	NJ
Oleic acid	112-80-1	RI
Starch	9005-25-8	IL, MN, RI

Canadian Regulations

Canadian Domestic Substance List

Oleic acid	112-80-1
Starch	9005-25-8

Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 1 Reactivity - 1 Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: Updated Section 2: Composition / Information on Ingredients.

Revision Date: 05/01/2008

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.