



**Material Safety Data Sheet**

**MAXFORCE® FC MAGNUM ROACH KILLER BAIT GEL**

MSDS Number: 102000015432

MSDS Version 1.0

Revision Date: 01/26/2007

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

**Product Name** MAXFORCE® FC MAGNUM ROACH KILLER BAIT GEL  
**MSDS Number** 102000015432  
**EPA Registration No.** 432-1460

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>
Fipronil	120068-37-3	0.05

**SECTION 3. HAZARDS IDENTIFICATION**

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

**Emergency Overview** Caution! Keep exposed gel away from open food and food contact surfaces. Harmful if absorbed through skin. Moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

**Physical State** gel

**Appearance** brown

**Routes of Exposure** Eye contact, Skin Absorption, Skin contact, Ingestion

**Immediate Effects**

**Eye** Avoid contact with eyes. Moderately irritating to the eyes following prolonged direct contact.

**Skin** Avoid contact with skin, eyes and clothing. Harmful if absorbed through skin. Moderately irritating to skin following prolonged direct contact.



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**Ingestion** Do not take internally.

**Medical Conditions Aggravated by Exposure** No specific medical conditions are known which may be aggravated by exposure to this product.

**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** Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. 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. Do not leave victim unattended.

**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** not applicable

**Fire and Explosion Hazards** In the event of fire the following can be released:  
Sulphur oxides  
nitrogen oxides (NOx)  
Hydrogen fluoride

**Suitable Extinguishing Media** Dry chemical, Foam, Water, Carbon dioxide (CO2)



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**Fire Fighting Instructions**

Keep out of smoke. Fight fire from upwind position. 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. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**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**

Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following cleanup.

**Additional Advice**

Use personal protective equipment. If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal.

**SECTION 7. HANDLING AND STORAGE**

**Handling Procedures**

Product will stain porous surfaces.

**Storing Procedures**

Keep tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children and animals. Protect against heat/overheating. Keep away from direct sunlight.

**Work/Hygienic Procedures**

Keep away from food, drink and animal feedingstuffs.

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

**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.

**Engineering Controls**

Ensure adequate ventilation.

**Eye/Face Protection**

protective eyewear

**Hand Protection**

Chemical resistant nitrile rubber gloves



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**Body Protection** Skin contact should be prevented.  
Use suitable protective clothing, gloves and footwear, selected with regard to use conditions and exposure potential.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** brown  
**Physical State** gel  
**Bulk Density** 9.51 lbs/gal

**SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability** Stable under normal conditions.  
**Conditions to Avoid** Extremes of temperature and direct sunlight.  
Exposure to moisture.  
**Incompatibility** Strong oxidizing agents  
Strong bases  
Strong acids

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute toxicity data have been bridged from a similar formulation containing a slightly higher percentage of the active ingredient, fipronil. The non-acute information pertains to technical-grade active ingredient.

**Acute Oral Toxicity** rat: LD50: > 5,000 mg/kg  
**Acute Dermal Toxicity** rat: LD50: > 2,000 mg/kg  
**Acute Inhalation Toxicity** rat: LC50: > 2.9 mg/l  
Exposure time: 4 h  
rat: LC50: > 11.6 mg/l  
Exposure time: 1 h  
Extrapolated from the 4 hr LC50.  
**Skin Irritation** rabbit: Slight irritation.  
**Eye Irritation** rabbit: No eye irritation.  
**Sensitization** guinea pig: Non-sensitizing.  
**Chronic Toxicity** Fipronil caused liver, kidney or thyroid effects and/or neurobehavioral effects



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(e.g., tremors) in chronic toxicity studies in rats and dogs. Fipronil did not induce any microscopic lesions in the neural tissues.

**Assessment Carcinogenicity**

Fipronil has been classified by EPA as a Category C carcinogen based on thyroid tumors in rats only. These tumors are produced by a mechanism which is not relevant to human cancer. Fipronil did not produce an increase in tumor incidence in mice.

**ACGIH**

None.

**NTP**

None.

**IARC**

None.

**OSHA**

None.

**Reproductive & Developmental Toxicity**

REPRODUCTION: Fipronil was not considered a primary reproductive toxicant in rats.

DEVELOPMENTAL TOXICITY: Fipronil was not a developmental toxicant in rats and rabbits.

**Neurotoxicity**

Fipronil caused transient neurobehavioral effects (e.g., tremors) in neurotoxicity studies in rats. Delays in developmental landmarks were observed in rats at maternally toxic doses.

**Mutagenicity**

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

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Precautions**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.



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**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 shipment by any mode
  
- FREIGHT CLASSIFICATION:**  
Insecticides or Fungicides, N.O.I.; other than poison

**SECTION 15. REGULATORY INFORMATION**

**EPA Registration No.** 432-1460

**US Federal Regulations**

- TSCA list**  
None.
- 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**  
None.

**US States Regulatory Reporting**

- 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 Domestic Substance List**  
None.



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**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

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**SECTION 16. OTHER INFORMATION**

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NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 1      Reactivity - 0      Others - none

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

Reason to Revise: New Material Safety Data Sheet.

Revision Date: 01/26/2007

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