MSDS Number: 000000001777

MAXFORCE® FC Professional Insect Control® Roach Killer Bait Gel (Reservoir)

MSDS Version 1.5

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	MAXFORCE® FC Professional Insect Control® Roach Killer Bait Gel (Reservoir)
Chemical Name	
Common Name	
MSDS Number	1777
Chemical Family	
Chemical Formulation	
EPA Registration No.	432-1259

Bayer Environmental Science
95 Chestnut Ridge Road
Montvale, NJ 07645
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

Hazardous Component Name	CAS No.	Concentration % by Weight	
		Minimum	Maximum
FIPRONIL	120068-37-3	0.0100	

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 the skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

Do not use this product in or on electrical equipment where a possibility of shock hazard exists.

Odor Sweet

Appearance Dark brown

Immediate Effects

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

direct contact.

Skin Harmful if absorbed through skin. Moderately irritating to skin following prolonged direct contact. Not acutely toxic upon dermal exposure. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

Ingestion Not acutely toxic upon oral exposure.

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

Eye Flush eyes with plenty of water. Call a physician if irritation persists.

Skin Wash with plenty of soap and water. Get medical attention immediately if irritation persists.

Ingestion Drink two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

Notes to physician

Signs and Symptoms Effects resulting from over-exposure are not anticipated to occur from use of the bait gel. In severe cases of overexposure to fipronil itself (the active ingredient) by oral ingestion, lethargy, muscle tremors, and in extreme cases, possibly convulsions may occur.

Treatment There is no specific antidote.

TREATMENT FOR FIPRONIL OVERDOSE:
Recommendations for treatment are based on anticonvulsant therapy as routinely administered to humans. Phenobarbital or diazepam may be useful in controlling convulsions induced by Fipronil.

Even when symptoms of Fipronil intoxication are rapidly reversed by treatment, the treatment must be continued for several days, gradually decreasing the dose of anticonvulsant based on the patient's clinical response. This is necessary due to the slow elimination of the compound.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point Not flammable or explosive

Fire and Explosion Under fire conditions, toxic, corrosive fumes may be emitted due to the presence

Hazards	of the active ingredient, fipronil.
Suitable Extinguishing Media	Dry chemical, Foam, Water, Carbon dioxide (CO2)

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	Wear appropriate gear for the situation. See Personal Protection information in Section 8.
Land Spill or Leaks	If the active ingredient fipronil is spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal. Decontaminate tools and equipment following cleanup. Avoid creation of dusty conditions.

SECTION 7. HANDLING AND STORAGE

Handling Procedures	Keep exposed gel away from open food and food contact surfaces. Do not treat food preparation surfaces. Fipronil: Avoid contact with skin, eyes and clothing. Avoid breathing vapors and mists. Do not ingest.
Storing Procedures	Fipronil: Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry area out of reach of children and animals. Store away from heat or sunlight.
Work/Hygienic Procedures	Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash skin promptly to remove accidental contact with the active ingredient, fipronil. Avoid contact with skin and clothing. Wash skin with soap and water if contact. Remove contaminated clothing and launder before re-wearing. Wash clothing with detergent and hot water before reusing. Contaminated clothing should not be taken home or laundered with other clothing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use general ventilation to minimize exposure.
Body Protection	Applicators and other handlers must wear: Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber. All pesticide handlers (mixers, loaders, and applicators) must wear a long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.
General Protection	These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.
Exposure Limits	None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown
Odor	Sweet

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Fipronil is stable under normal handling and storage conditions.
Conditions to Avoid	Direct sunlight Exposure to extreme heat Product will stain porous surfaces.
Incompatibility	Strong acids and strong bases Strong oxidizing agents
Hazardous Products of Decomposition	Decomposition Type: thermal Hydrogen fluoride

Oxides of nitrogen
Oxides of sulfur
Carbon oxides
Hydrochloric acid

Hazardous Polymerization (Conditions to avoid) Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

NOTE: Data for the acute information is based on studies performed on a similar formulation with 0.25% fipronil.

Acute Oral Toxicity Rat: LD50: > 5,000 mg/kg

Acute Dermal Toxicity LD50: > 2,000 mg/kg

Acute Inhalation Toxicity Rat: LC50: > 2.9 mg/l

Skin Irritation Rabbit: Slightly irritating.

Eye Irritation Rabbit: Non-irritating.

Sensitization Guinea pig: Non-sensitizing

Assessment Carcinogenicity

ACGIH
None

NTP
None

IARC
None

OSHA
None

SECTION 12. ECOLOGICAL INFORMATION

Acute and Prolonged Toxicity to Fish

The following data is based on the technical grade active ingredient(s).
Rainbow trout
flow-through test
LC50: 0.248 mg/l
Exposure Time: 96 h
Mean concentration.

Bluegill sunfish
flow-through test

LC50: 0.085 mg/l
Exposure Time: 96 h
Mean concentration.

Acute Toxicity to Aquatic Invertebrates

The following data is based on the technical grade active ingredient(s).
Daphnia
flow-through test
EC50: 0.248 mg/l
Exposure Limit: 48 h
Mean concentration.

Toxicity Other Non Mammal Terr. Species

The following data is based on the technical grade active ingredient(s).
Mallard duck
LC50: > 5,000 mg/kg
Exposure Time: 8 d
Dietary concentrations. Mean concentration.

Bobwhite quail
LC50: 48 mg/kg
Exposure Time: 8 d
Dietary concentrations. Mean concentration.

Environmental Precautions

Toxic to birds, fish and aquatic invertebrates. 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 washwater. Contain runoff to prevent entry into sewers or waterways.

Additional Environmental Information	For chemical fate data call the product information phone number listed in Section 1.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance	Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Container Disposal	Wrap used pre-filled plastic reservoirs in several layers of newspaper and discard in trash.
RCRA Classification	Not Regulated under this Statute

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:
Not Regulated for Transportation

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1259

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

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

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

	Health	Flammability	Reactivity	Others
NFPA	0	1	1	

REASON FOR ISSUE: Revise the name to correspond to the label.

Approval Date: 01/09/2004

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