



## MAXFORCE® FC Professional Insect Control® Ant Killer Bait Gel

MSDS Version 1.4

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name** MAXFORCE® FC Professional Insect Control® Ant Killer Bait Gel  
**Chemical Name**  
**Common Name**  
**MSDS Number** 1779  
**Chemical Family**  
**Chemical Formulation**  
**EPA Registration No.** 432-1264

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>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
FIPRONIL	120068-37-3	0.0010	

### SECTION 3. HAZARDS IDENTIFICATION

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

**Emergency Overview** Caution! Keep out of the reach of children. Hazards to humans and domestic animals. Keep exposed gel away from open food and food contact surfaces.

**Odor** Sweet

**Appearance** Amber clear to amber

**Immediate Effects**

**Skin** Avoid contact with skin or clothing. Minimally irritating to skin following prolonged direct contact. Not acutely toxic upon dermal exposure. Wash hands thoroughly with soap and water after handling.

**Ingestion** May be harmful if swallowed. 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.

### SECTION 4. FIRST AID MEASURES

**Eye** Rinse with copious amounts of water. Seek medical attention.

**Skin** Rinse with copious amounts of water. Seek medical attention.

**Ingestion** If swallowed, 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.

**Note to Physician** There is no specific antidote.

#### TREATMENT FOR FIPRONIL OVEREXPOSURE:

In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and in extreme cases, possibly convulsions may occur. 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** 94 °C / 201 °F  
Method: Tagliabue Closed Cup

**Explosiveness** Non flammable or explosive.

**Fire and Explosion Hazards** Under fire conditions, toxic, corrosive fumes are emitted due to the active ingredient fipronil.

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

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**General and Disposal** Wear appropriate gear for the situation. See Personal Protection information in Section 8.

Non-hazardous waste. Sweep up spilled material. Place in a container for

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

### 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.

## SECTION 7. HANDLING AND STORAGE

### Handling Procedures

Keep out of the reach of children.

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 unused boxes 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 the active ingredient, fipronil.

Remove and wash contaminated clothing before re-use. Then wash body thoroughly with soap and water and put on clean clothing.

Wash clothing with detergent and hot water before reusing. Contaminated clothing should not be taken home or laundered with other clothing.

### Min/Max Storage Temperatures

Do not transport or store above 38 °C

## 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 (Neoprene, Nitrile, PVC)  
All pesticide handlers (mixers, loaders, and applicators) must wear a long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.

Consideration must be given both to durability as well as permeation resistance.

### General Protection

These recommendations provide general guidance for handling this product.

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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

<b>Appearance</b>	Amber clear to amber
<b>Odor</b>	Sweet
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	1.27
<b>Melting/Freezing Point</b>	60 °C

## SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Fipronil is stable under normal handling and storage conditions.
<b>Conditions to Avoid</b>	Product will stain porous surfaces.  Direct sunlight Exposure to extreme heat
<b>Incompatibility</b>	Strong bases Strong acids Strong oxidizing agents
<b>Hazardous Products of Decomposition</b>	Decomposition Type: thermal Hydrogen fluoride Oxides of nitrogen Oxides of sulfur Carbon oxides Hydrochloric acid

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**Hazardous Polymerization  
(Conditions to avoid)** Will not occur

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity** Data for 0.25% Formulation of Fipronil  
Rat: LD50: > 5,000 mg/kg

**Acute Dermal Toxicity** Data for 0.25% Formulation of Fipronil  
LD50: > 2,000 mg/kg

**Acute Inhalation Toxicity** Data for 0.25% Formulation of Fipronil  
Rat: LC50: > 2.9 mg/l

Acute Respiratory Irritation:  
No test data found for product.

**Skin Irritation** Data for 0.25% Formulation of Fipronil  
Rabbit: Slightly irritating.

**Eye Irritation** Data for 0.25% Formulation of Fipronil  
Rabbit: Non-irritating.

**Sensitization** Data for 0.25% Formulation of Fipronil  
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) (TGAI).  
Rainbow trout  
LC50: 248 ug/l  
Exposure Time: 96 h  
Mean concentration. Flow through.

The following data is based on the technical grade active ingredient(s) (TGAI).  
Bluegill sunfish

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LC50: 85 ug/l  
Exposure Time: 96 h  
Mean concentration. Flow through.

**Acute Toxicity to Aquatic Invertebrates** The following data is based on the technical grade active ingredient(s) (TGAI).  
Daphnia  
EC50: 248 ug/l  
Exposure Limit: 48 h  
Mean concentration. Flow through.

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

The following data is based on the technical grade active ingredient(s) (TGAI).  
Bobwhite quail  
LC50: 48 mg/kg  
Exposure Time: 8 d  
Dietary concentrations. Mean concentration.

**Environmental Precautions** This pesticide is 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 water by cleaning equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters. Contain runoff to prevent entry into sewers or waterways.

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### 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.

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.

EPA Hazardous Waste - No

### Container Disposal

Wrap used prefilled reservoir in several layers of newspaper and discard in trash.

### RCRA Classification

Not Regulated under this Statute

## SECTION 14. TRANSPORT INFORMATION

US DOT Hazard Class: Not restricted

US DOT Proper Shipping Name: Insecticide, non-toxic, solid - not restricted

## SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1264

### 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.

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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	0	

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

Approval Date: 10/31/2003

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