SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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

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

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS No.</th>
<th>Concentration % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIPRONIL</td>
<td>120068-37-3</td>
<td>0.0010</td>
</tr>
</tbody>
</table>

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.
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
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.
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber clear to amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Sweet</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.27</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>60 °C</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

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

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

MAXFORCE® FC Professional Insect Control® Ant Killer Bait Gel

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.
**Material Safety Data Sheet**

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

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

### SECTION 13. DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>General Disposal Guidance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pesticide Disposal:</strong></td>
<td>Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.</td>
</tr>
<tr>
<td><strong>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.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EPA Hazardous Waste - No</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Container Disposal</th>
<th>Wrap used prefilled reservoir in several layers of newspaper and discard in trash.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>RCRA Classification</th>
<th>Not Regulated under this Statute</th>
</tr>
</thead>
</table>

### 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

<table>
<thead>
<tr>
<th>EPA Registration No.</th>
<th>432-1264</th>
</tr>
</thead>
</table>

**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.
Material Safety Data Sheet

MAXFORCE® FC Professional Insect Control® Ant Killer
Bait Gel

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

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

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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