SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: MAXFORCE® FC SELECT PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

MSDS Number: 102000005017

EPA Registration No.: 432-1259

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

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS-No.</th>
<th>Average % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fipronil</td>
<td>120068-37-3</td>
<td>0.01</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview: Caution! Harmful if absorbed through skin. Moderate eye irritation. Avoid contact with skin, eyes and clothing. Keep exposed gel away from open food and food contact surfaces. Hazard to humans and domestic animals. Keep out of reach of children and animals.

Physical State: gel

Odor: sweet

Appearance: dark brown

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

Immediate Effects

Eye: Moderate eye irritation may occur. Avoid contact with eyes.

Skin: Harmful if absorbed through skin. May be minimally irritating following prolonged direct contact. Avoid contact with skin and clothing.
Ingestion  
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.

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

#### Fire and Explosion Hazards 
Dangerous gases are evolved in the event of a fire.

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

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
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
Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.

Product will stain porous surfaces.

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Storing Procedures
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children and animals.

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
There are no known hazards associated with this product when used according to the label directions. The following guidelines should be followed.

Avoid contact with skin and eyes.

Follow all label instructions. Train employees in safe use of the product.
Exposure Limits

<table>
<thead>
<tr>
<th>Substance</th>
<th>MSDS Number</th>
<th>OES BCS*</th>
<th>ACGIH TWA</th>
<th>NIOSH REL</th>
<th>NIOSH REL Form of exposure</th>
<th>OSHA Z1 PEL Form of exposure</th>
<th>OSHA Z1 TWA Form of exposure</th>
<th>OSHA Z1A TWA Form of exposure</th>
<th>US CA OEL TWA PEL Form of exposure</th>
<th>Total dust.</th>
<th>Respirable fraction.</th>
<th>Total dust.</th>
<th>Respirable fraction.</th>
<th>Total dust.</th>
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<td>Respirable fraction.</td>
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<td>Respirable fraction.</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Sucrose</td>
<td>57-50-1</td>
<td>0.035 mg/m³</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td>Respirable.</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td>15 mg/m³</td>
<td>5 mg/m³</td>
<td>15 mg/m³</td>
<td>5 mg/m³</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
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</tr>
</tbody>
</table>

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance  | dark brown
Physical State | gel
Odor | sweet

SECTION 10. STABILITY AND REACTIVITY

Conditions to Avoid  | Extremes of temperature and direct sunlight.  Exposure to moisture.
Incompatibility  | Strong oxidizing agents
| Strong bases
| Strong acids
Hazardous Decomposition Products  | Thermal decomposition
| Hydrogen fluoride (HF)
| Hydrogen chloride (HCl)
| Carbon oxides
| Nitrogen oxides (NOx)
Sulphur oxides

Hazardous Reactions Stable under recommended storage conditions.

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: > 5,000 mg/kg

Skin Irritation rabbit: Slight irritation.

Eye Irritation rabbit: Minimally irritating.

Sensitization guinea pig: Non-sensitizing.

Chronic Toxicity Fipronil caused liver, kidney or thyroid effects and/or neurobehavioral effects (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 allow to get into surface water, drains and ground water. 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. |

### SECTION 13. DISPOSAL CONSIDERATIONS

| General Disposal Guidance | Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Never place unused product down any indoor or outdoor drain. |
| Container Disposal | Wrap and discard in trash. Follow advice on product label and/or leaflet. |

### SECTION 14. TRANSPORT INFORMATION

| DOT CLASSIFICATION: | Not Regulated for Transportation |
| FREIGHT CLASSIFICATION: | Insecticides or Fungicides, N.O.I., other than poison |

### SECTION 15. REGULATORY INFORMATION

| EPA Registration No. | 432-1259 |

**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.

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 - 0
- Others - none

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

Reason to Revise: Updated Section 11: Toxicological Information. Updated for general editorial purposes.

Revision Date: 12/12/2007

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