SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL
MSDS Number: 102000019405
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>
<tr>
<td>Starch</td>
<td>9005-25-8</td>
<td>1.00</td>
</tr>
</tbody>
</table>

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

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

Immediate Effects:
Eye: Moderate eye irritation. Avoid contact with eyes.
Skin: May cause slight irritation. Harmful if absorbed through skin. 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.
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

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.

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### SECTION 7. HANDLING AND STORAGE

**Handling Procedures**
Product will stain porous surfaces. Use only in area provided with appropriate exhaust ventilation.

**Storing Procedures**
Keep away from direct sunlight. Keep out of reach of children and animals. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed.

**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.

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### 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.

**Eye/face Protection**
Protective eyewear

**Hand Protection**
Chemical resistant nitrile rubber gloves

**Body Protection**
Skin contact should be prevented.
Wear long-sleeved shirt and long pants and shoes plus socks.

**Exposure Limits**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Form of Exposure</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propanediol</td>
<td>57-55-6</td>
<td>WEEL TWA Aerosol</td>
<td></td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Starch</td>
<td>9005-25-8</td>
<td>ACGIH TWA</td>
<td></td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL</td>
<td></td>
<td>5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL</td>
<td>Respirable</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA Z1 PEL</td>
<td>Total</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State  gel

SECTION 10. STABILITY AND REACTIVITY

Conditions to Avoid  Extremes of temperature and direct sunlight. Exposure to moisture.

Hazardous Reactions  Stable under normal 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  
Starch 9005-25-8 Group A4

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.
SECTION 13. DISPOSAL CONSIDERATIONS

Container Disposal
Wrap and discard in trash. Follow advice on product label and/or leaflet.

SECTION 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:
Not Regulated for Domestic Surface 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
Starch 9005-25-8
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
Starch 9005-25-8 IL, MN, RI

Canadian Regulations
Canadian Domestic Substance List
Starch 9005-25-8

Environmental
CERCLA
None.
Clean Water Section 307 Priority Pollutants
None.
Safe Drinking Water Act Maximum Contaminant Levels
None.

International Regulations
European Inventory of Existing Commercial Substances (EINECS)
Starch 9005-25-8

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 for general editorial purposes. Updated due to new system and numbering scheme.

Revision Date: 10/04/2007

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