Bayer Environmental Science

MSDS Number: 000000001776

MAXFORCE® FC Professional Insect Control® Large Roach Bait Stations

MSDS Version 1.3

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	MAXFORCE® FC Professional Insect Control® Large Roach Bait Stations
Chemical Name	
Common Name	
MSDS Number	1776
Chemical Family	
Chemical Formulation	
EPA Registration No.	432-1258

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

Product Use Description Fipronil Based Food Bait in a Child Resistant Plastic Station.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS No.	Concentration % by Weight	
		Minimum	Maximum
FIPRONIL	120068-37-3	0.0300	

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Keep out of the reach of children. Hazards to humans and domestic animals. Caution! Wash thoroughly with soap and water after handling.

Immediate Effects

Skin Harmful if absorbed through the skin. May produce symptoms similar to those from ingestion. May cause irritation, redness, swelling.

Ingestion Harmful if ingested. May cause shortness of breath, involuntary shaking, convulsions, excitement.

Medical Conditions Aggravated by Exposure Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

Signs and Symptoms Effects resulting from over-exposure are not anticipated to occur.

SECTION 4. FIRST AID MEASURES

Note to Physician There is no specific antidote.

TREATMENT FOR FIPRONIL OVERDOSE:
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
Not 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 (CO_2), 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. Avoid creation of dusty conditions.

SECTION 7. HANDLING AND STORAGE

Handling Procedures	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	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 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. 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	Not available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Where engineering controls are indicated by use conditions of a potential for excessive exposure to the active ingredient exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.
Body Protection	Applicators and other handlers must wear: Long-sleeved shirt and long pants Shoes plus socks 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. While developing

safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. 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

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Fipronil is stable under normal handling and storage conditions described in Section 7.

Conditions to Avoid

Direct sunlight
Exposure to extreme heat

Incompatibility

Strong bases
Strong acids
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

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

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.

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

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance	Wrap bait station in several layers of newspaper and discard in trash. 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. EPA Hazardous Waste - No
RCRA Classification	Not Regulated under this Statute

SECTION 14. TRANSPORT INFORMATION

For transportation regulatory information, call the product information phone number in Section 1.

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1258

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	0	

REASON FOR ISSUE: To remove other ingredients in Section 2; include transportation information in Section 14 and NFPA ratings in Section 16.

Approval Date: 11/04/2003

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