

**MAXFORCE® Carpenter Ant Bait Gel**

MSDS Version 1.4

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name MAXFORCE® Carpenter Ant Bait Gel
Chemical Name Fipronil
Synonym
MSDS Number 1770
Chemical Family
Chemical Formulation
EPA Registration No. 432-1264
Canadian Registrat. No.

Bayer Environmental Science
95 Chestnut Ridge Road
Montvale, NJ 07645
USA

For Product Use Information: (800)331-2867 Monday through Friday(CRLF) 8:00AM-4:30PM(CRLF) For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day(CRLF)
For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
FIPRONIL	120068-37-3	0.0010	
Other ingredients			99.9990

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! May be harmful if swallowed. Avoid contact with skin or clothing. Keep exposed gel away from open food and food contact surfaces.

Physical State Gel

Odor Sweet

Appearance Translucent

Yellow

Immediate Effects

Skin Avoid contact with skin or clothing. Minimally irritating to skin following prolonged

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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 plenty of water. Seek medical attention.

Skin

Rinse with plenty of water. Seek medical attention.

Ingestion

If swallowed, drink two glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

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

Not flammable or explosive.

Fire and Explosion Hazards

Under fire conditions, toxic, corrosive fumes are emitted.

Suitable Extinguishing Media

Water, Foam, Carbon dioxide (CO2), Dry chemical

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SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	Wear appropriate gear for the situation. See Personal Protection information in Section 8.
	Non-hazardous waste. Place in a container for disposal. Dispose in accordance with all local, state/provincial and federal regulations.
Land Spill or Leaks	If 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.
	Avoid contact with skin, eyes and clothing. Do not take internally.
Storing Procedures	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 thoroughly with soap and water after handling and before eating, drinking or using tobacco.
	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

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use general ventilation to minimize exposure.
Hand Protection	Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber.
Body Protection	Applicators and other handlers must wear: Long-sleeved shirt and long pants Shoes plus socks 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

Appearance	Translucent
Physical State	Yellow Gel
Odor	Sweet
pH	Not applicable
Specific Gravity	1.27

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Melting/Freezing Point 60 °C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	This material is stable under normal handling and storage conditions described in Section 7.
Conditions to Avoid	Product will stain porous surfaces. Direct sunlight 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
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	

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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. Care must be taken to avoid runoff. Do not contaminate water by cleaning equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters.

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

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Dispose in accordance with all local, state/provincial and federal regulations.

Container Disposal Wrap container in several layers of newspaper and discard in trash.

RCRA Classification Not Regulated under this Statute

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

US Federal Regulations

EPA Registration No. 432-1264

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

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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

NFPA	Health	Flammability	Reactivity	Others
	1	2	0	

MSDS REVISION INDICATOR: Add NFPA codes to Section 16.

Print Date: 09/03/2003

Supersedes MSDS, which is older than: 09/03/2003

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