

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

1/11  
Revision Date: 10/20/2022  
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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

Trade name	MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL
Product code (UVP)	79248121
SDS Number	102000019405
EPA Registration No.	432-1259

#### Relevant identified uses of the substance or mixture and uses advised against

Use	Insecticide
Restrictions on use	See product label for restrictions.

#### Information on supplier

Supplier	Bayer Environmental Science A division of Bayer CropScience LP 5000 Centregreen Way, Suite 400 Cary, NC 27513 USA
Responsible Department	Email: SDSINFO.BCS-NA@bayer.com

#### Emergency telephone no.

Emergency Telephone Number (24hr/ 7 days)	1-800-334-7577
Product Information Telephone Number	1-800-331-2867

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification in accordance with regulation HCS 29CFR §1910.1200

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

#### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.  
No health hazards not otherwise classified.

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

2/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Fipronil	120068-37-3	0.01

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	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.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** The following symptoms may occur:, Restlessness, anxiety, Tremors

#### Indication of any immediate medical attention and special treatment needed

**Treatment** Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing media

Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	High volume water jet

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

3/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

---

<b>Special hazards arising from the substance or mixture</b>	Dangerous gases are evolved in the event of a fire.
<b>Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing. In the event of fire and/or explosion do not breathe fumes.
<b>Further information</b>	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

### Specific hazards from the substance or mixture which can increase the fire

<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	No data available
<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable
<b>Explosivity</b>	No data available

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Precautions</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
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### Methods and materials for containment and cleaning up

<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
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<b>Additional advice</b>	Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.
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<b>Reference to other sections</b>	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.
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## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

4/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

- Advice on safe handling** Product will stain porous surfaces. Use only in area provided with appropriate exhaust ventilation.
- Hygiene measures** Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.  
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
- Conditions for safe storage, including any incompatibilities**
- Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing. Keep away from direct sunlight.
- Advice on common storage** Keep away from food, drink and animal feedingstuffs.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Fipronil	120068-37-3	0.035 mg/m <sup>3</sup> (TWA)		OES BCS*

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

### Exposure controls

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

- Respiratory protection** Respiratory protection is not required under anticipated circumstances of exposure.  
When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.
- Hand protection** Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton)
- Eye protection** Safety glasses with side-shields
- Skin and body protection** Skin contact should be prevented.  
Wear long-sleeved shirt and long pants and shoes plus socks.
- General protective measures** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

5/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

water.  
Keep and wash PPE separately from other laundry.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

<b>Form</b>	gel
<b>Colour</b>	brown
<b>Odour</b>	slight
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/range</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash point</b>	Not applicable
<b>Flammability</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Thermal decomposition</b>	Not applicable
<b>Minimum ignition energy</b>	Not applicable
<b>Self-accelerating decomposition temperature (SADT)</b>	No data available
<b>Upper explosion limit</b>	Not applicable
<b>Lower explosion limit</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	No data available
<b>Water solubility</b>	soluble
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Viscosity, kinematic</b>	No data available

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

6/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

<b>Oxidizing properties</b>	No data available
<b>Explosivity</b>	No data available
<b>Other information</b>	Further safety related physical-chemical data are not known.

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### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight. Exposure to moisture.
<b>Incompatible materials</b>	No incompatible materials known.
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Eye contact, Skin contact, Ingestion, Inhalation
<b>Immediate Effects</b>	
<b>Eye</b>	May cause temporary eye irritation.
<b>Skin</b>	May be harmful in contact with skin.
<b>Ingestion</b>	Not expected to produce significant adverse effects when recommended use instructions are followed.
<b>Inhalation</b>	Not expected to produce significant adverse effects when recommended use instructions are followed.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (Rat) > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	No data available
<b>Acute dermal toxicity</b>	LD50 (Rat) > 5,000 mg/kg
<b>Skin corrosion/irritation</b>	slight irritation (Rabbit)
<b>Serious eye damage/eye</b>	Minimally irritating. (Rabbit)

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

7/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

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### irritation

**Respiratory or skin sensitisation** Non-sensitizing. (Guinea pig)

### Assessment STOT Specific target organ toxicity – single exposure

Fipronil: Based on available data, the classification criteria are not met.

### Assessment STOT Specific target organ toxicity – repeated exposure

Fipronil caused specific target organ toxicity in experimental animal studies in the following organ(s): Liver. Fipronil caused neurobehavioral effects and/or neuropathological changes in animal studies.

### Assessment mutagenicity

Fipronil was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

### Assessment carcinogenicity

Fipronil caused an increased incidence of tumours in rats in the following organ(s): Thyroid. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

### ACGIH

None.

### NTP

None.

### IARC

None.

### Assessment toxicity to reproduction

Fipronil caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Fipronil is related to parental toxicity.

### Assessment developmental toxicity

Fipronil did not cause developmental toxicity in rats and rabbits.

### Further information

Acute toxicity studies have been bridged from a similar formulation(s).  
The non-acute information pertains to the active ingredient(s).

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## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity to fish** LC50 (Oncorhynchus mykiss (rainbow trout)) 0.25 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient fipronil.

**Toxicity to aquatic invertebrates** EC50 (Daphnia magna (Water flea)) 0.19 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient fipronil.

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

8/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

---

<b>Toxicity to aquatic plants</b>	EC50 (Desmodesmus subspicatus (green algae)) 0.068 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient fipronil.
<b>Biodegradability</b>	Fipronil: Not rapidly biodegradable
<b>Koc</b>	Fipronil: Koc: 427 - 1278
<b>Bioaccumulation</b>	Fipronil: Bioconcentration factor (BCF) 321 Does not bioaccumulate.
<b>Mobility in soil</b>	Fipronil: Slightly mobile in soils
<b>Results of PBT and vPvB assessment</b>	
<b>PBT and vPvB assessment</b>	Fipronil: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
<b>Environmental precautions</b>	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. Do not allow to get into surface water, drains and ground water. Apply this product as specified on the label.

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Product</b>	Dispose in accordance with all local, state/provincial and federal regulations.
<b>Contaminated packaging</b>	Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.
<b>RCRA Information</b>	Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

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### SECTION 14: TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.



# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

9/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

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

Water	7732-18-5
Fructose	57-48-7
Syrups, corn, hydrogenated	68425-17-2
1,2-Propanediol	57-55-6
Carrageenan	9000-07-1

#### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No export notification needs to be made.

#### SARA Title III - Section 302 - Notification and Information

Not applicable.

#### 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.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

N-Methyl-2-pyrrolidone	872-50-4	Developmental toxin.
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#### US State Right-To-Know Ingredients

1,2-Propanediol	57-55-6	MN, RI
Carrageenan	9000-07-1	MN

#### Environmental

##### CERCLA

None.

##### Clean Water Section 307(a)(1)

None.

##### Safe Drinking Water Act Maximum Contaminant Levels

None.

#### EPA/FIFRA Information:

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

10/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

**Signal word:** Caution!

**Hazard statements:** Harmful if absorbed through skin.  
Causes moderate eye irritation.

### SECTION 16: OTHER INFORMATION

#### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

#### NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 1      Instability - 0      Others - none

#### HMIS (Hazardous Materials Identification System, based on the Fourth Edition Ratings Guide)

Health - 1      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard,  
\* = chronic health hazard

**Reason for Revision:** The following sections have been revised: Section 5: Fire Fighting Measures. Section 8: Exposure Controls / Personal Protection. Section 11: Toxicological Information. Section 15: Regulatory information. Reviewed and updated for general editorial purposes.

**Revision Date:** 10/20/2022

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are

# SAFETY DATA SHEET



## MAXFORCE® FC PROFESSIONAL INSECT CONTROL® ROACH KILLER BAIT GEL

Version 3.0 / USA  
102000019405

11/11  
Revision Date: 10/20/2022  
Print Date: 10/25/2022

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