

## **MAXFORCE® FLEET**

Version 1.0 / USA 102000031112

Revision Date: 04/10/2017 Print Date: 04/11/2017

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier** 

Trade name

MAXFORCE® FLEET

Product code (UVP)

84897086

**SDS Number** 

102000031112

**EPA Registration No.** 

432-1264

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

2 T.W. Alexander Drive

Research Triangle PK, NC 27709

**United States** 

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.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS** 

**Hazardous Component Name** 

CAS-No.

Concentration % by weight

**Fipronil** 

120068-37-3

0.001



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#### **SECTION 4: FIRST AID MEASURES**

Description of first aid measures

General advice When possible, have the product container or label with you when

calling a poison control center or doctor or going for treatment.

**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.

Skin contact 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.

**Eye contact** 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.

Ingestion Call a physician or poison control center immediately. DO NOT induce

vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Never give anything by mouth to an unconscious person. Do not leave victim

unattended.

Most important symptoms and effects, both acute and delayed

Symptoms

To date no symptoms are known.

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. There is no specific antidote.

#### SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable

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

Unsuitable

None known.

Special hazards arising from the substance or

mixture

Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective

equipment for firefighters

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**Further information** 

Fight fire from upwind position. Keep out of smoke. Cool closed containers exposed to fire with water spray. Do not allow run-off from

fire fighting to enter drains or water courses.

Flash point

93.4 °C



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Auto-ignition temperature

No data available

Lower explosion limit

No data available

Upper explosion limit

No data available

**Explosivity** 

Not explosive

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions

Keep unauthorized people away. Isolate hazard area. Avoid contact

with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

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. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.

Reference to other sections

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

Precautions for safe handling

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Hygiene measures

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or

applying cosmetics.

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.

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.



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## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Fipronil	120068-37-3	0.035 mg/m3 (TWA)		OES BCS*
Sucrose	57-50-1	10 mg/m3 (TWA)	02 2012	ACGIH
Sucrose	57-50-1	5 mg/m3 (REL)	2010	NIOSH
(Respirable.)				
Sucrose	57-50-1	10 mg/m3 (REL)	2010	NIOSH
(Total)		, , ,		
Sucrose	57-50-1	5 mg/m3 (PEL)	02 2006	OSHA Z1
(Respirable fraction.)		(,		
Sucrose	57-50-1	15 mg/m3 (PEL)	02 2006	OSHA Z1
(Total dust.)				
Sucrose	57-50-1	15 mg/m3 (TWA)	06 2008	TN OEL
(Total dust.)				
Sucrose	57-50-1	5 mg/m3 (TWA)	06 2008	TN OEL
(Respirable fraction.)		Y or or one		

<sup>\*</sup>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.

Hand protection

Chemical resistant nitrile rubber gloves

Eye protection

Safety glasses with side-shields

Skin and body protection

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

water.

Keep and wash PPE separately from other laundry.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**



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**Physical State** 

gel

Odor

sweet

**Odour Threshold** 

No data available

Hq

4.5 - 5.5 at 100 % (55 - 70 °C)

**Vapor Pressure** 

No data available

Vapor Density (Air = 1)

Density

ca. 1.27 g/cm3 at 20 °C

**Evaporation rate** 

No data available

No data available

**Boiling Point** 

No data available

Melting / Freezing Point

60 °C / 140 °F

Water solubility

soluble

Minimum Ignition Energy

Not applicable

Decomposition

Not applicable

temperature

Partition coefficient: noctanol/water

Not applicable

**Viscosity** 

No data available

Flash point

93.4 °C

Auto-ignition temperature

No data available

Lower explosion limit

No data available

Upper explosion limit

No data available

**Explosivity** 

Not explosive

## **SECTION 10: STABILITY AND REACTIVITY**

Reactivity

Thermal decomposition

Not applicable

**Chemical stability** 

Stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.



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Conditions to avoid

Extremes of temperature and direct sunlight.

Exposure to moisture.

Incompatible materials

Strong bases, Strong acids, Strong oxidizing agents

Hazardous decomposition

products

No decomposition products expected under normal conditions of use.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Exposure routes** 

Ingestion, Skin contact, Eye contact

**Immediate Effects** 

Skin

May be minimally irritating following prolonged direct contact.

Ingestion

May be harmful if swallowed.

Information on toxicological effects

Acute oral toxicity

LD50 (Rat) > 5,000 mg/kg

Acute inhalation toxicity

No data available

Acute dermal toxicity

LD50 (Rat) > 5,000 mg/kg

Skin irritation

slight irritation (Rabbit)

Eye irritation

Minimally irritating. (Rabbit)

Sensitisation

Non-sensitizing. (Guinea pig)

## 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.



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#### **OSHA**

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).

## **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 Exposure time: 48 h

The value mentioned relates to the active ingredient fipronil.

EC50 (Daphnia magna (Water flea)) 0.19 mg/l

Toxicity to aquatic plants EC50 (Desmodesmus subspicatus (green algae)) 0.068 mg/l

Exposure time: 96 h

The value mentioned relates to the active ingredient fipronil.

Biodegradability Fipronil:

Not rapidly biodegradable

Koc Fipronil: Koc: 427 - 1278

**Bioaccumulation** Fipronil: Bioconcentration factor (BCF) 321

Does not bioaccumulate.

Mobility in soil Fipronil: Slightly mobile in soils

**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**

Waste treatment methods



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**Product** 

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.

Contaminated packaging

Do not re-use empty containers. Place empty container in trash.

Follow advice on product label and/or leaflet.

**RCRA** Information

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.

#### **SECTION 14: TRANSPORT INFORMATION**

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

## **SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 

432-1264

**US Federal Regulations** 

**TSCA list** 

None.

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

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.



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## Safe Drinking Water Act Maximum Contaminant Levels

None.

#### **EPA/FIFRA Information:**

This chemical is a pesticide product registered 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:

Signal word:

Caution!

Hazard statements:

May be harmful if swallowed.

Avoid contact with skin and clothing.

Keep exposed gel away from open food and food contact surfaces.

Wash thoroughly with soap and water after handling.

## **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 Third 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

Reason for Revision: New Safety Data Sheet.



**MAXFORCE® FLEET** 

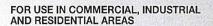
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This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.





TOTAL: .

CAS NO. 120068-37-3 EPA Reg. No. 432-1264

EPA Est. No. 071106-GA-003

## STOP - READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN CAUTION

See Back Panel for Complete Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-331-2867

Contents: 4 Reservoirs 27g (0.95 Oz) each Total Net Weight: 108g (3.8 Oz)

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oduct provides FAST CONTROL of ants in 3-5 days, ce® Fleet™ Is formulated to effectively control ants, because this product contains Fipronil, a fast-acting ingredient. Its speed is still slow enough, however, ging ants to return to the colony and feed the bait to and queen(s) so that the entire colony is killed the Domino Effect.

oduct is formulated for effective ant control. The high re content of this gel enhances the bait's veness to target ants. The bait's attractiveness is it within two weeks of application. This product is a roduct, formulated to take advantage of ant laxis, Through trophallaxis, worker ants eat the bait oraging, then feed it to the rest of the colony. The digest the solid bait and produce a liquid containing onlit that is fed to the rest of the colony and queen(s), oduct controls a broad spectrum of ants. Thus this t not only controls Carpenter Ants, but it also controls nal ants including Argentine, Pharaoh, Pavement, Acrobat, Odorous House, Thief, Big-headed, Id, and Field.

#### FIRST AID

owed:

- Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if
- able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor
- Do not give anything by mouth to an unconscious person

the product container or label with you when g a poison control center or doctor or going for nent. You may also contact 1-800-334-7577 for gency medical treatment information.

## PRECAUTIONARY STATEMENTS ARDS TO HUMANS AND IESTIC ANIMALS TION

harmful if swallowed. Avoid contact with skin and g, Keep exposed gel away form open foods and food t surfaces. Wash hands thoroughly after handling. SICAL AND CHEMICAL HAZARDS use this product In or on electrical equipment where bility of shock hazard exists.

#### **DIRECTIONS FOR USE** violation of Federal Law to use this product in a

manner Inconsistent with its labeling.

tuct labeling must be in possession of the applicator. tion rate is dependent on level of infestation and s to be controlled. Bait should be applied as spots. ICATIONS IN FOOD/FEED HANDLING BLISHMENTS:

ition within food/feed areas of food/feed handling

into cracks and crevices. Place applicator tip into cracks and crevices and where ants may travel. Apply gel (up to 1 gram) per spot. Apply bait in small amounts between gram per spot. Apply data in sinan aniounts between different elements of construction, openings leading into voids and hollow spaces in floors, walls, ceilings, equipment legs and bases, around plumbing pipes, doors and windows, cabinets, sinks, stoves and other places where ants may enter the establishment. During follow-up visits inspect bait placements and reapply when necessary. Do not apply bait to areas where food/feed, food utensits or food processing surfaces may become contaminated. Do not apply ball in cracks and crevices of areas that are routinely washed, tops of tables, food/feed preparation and prepared food/feed holding surfaces as balt may be removed by washing. Do not apply balt to surfaces where the temperature exceeds 120° F as balt may run. Examples include, but are not limited to. Portions of stoves, ovens, artille, fiyms bode, but large, offse upon category to the processing the proc grills, fume hoods, heat lamps, coffee urns, steam tables, toasters, fryers, dishwashers and hot water pipes. Care should be taken to avoid depositing gel onto exposed surfaces. If gel contacts an exposed surface, remove it and wash exposed surface.

Food/feed areas include areas for receiving, storage packing (canning, bottling, wrapping, boxing), preparing edible waste for storage, and enclosed processing systems (mills, dairies, edible oits, syrups). Serving areas are also considered a food area when food is exposed and facility is in operation. Application of this product in food/feed areas of food/feed handling establishments after then as a crack and crevice instrument is not permitted.

# DIRECTIONS FOR USING THE MAXFORCE BAIT INJECTOR, LOADING RESERVOIRS AND OPERATION:

With the teeth of the drive rod facing up, pull the drive rod all the way back. Attach ant gel reservoir to the bait injector with a Wist-locking movement. Remove the reservoir outlet cap and attach the dispensing tip, Push the drive rod until the drive plunger seats against the piston in the reservoir of gel. Turn drive rod knob until teeth are facing down. Gently squeeze the trigger until the gel flows out. Reservoirs that still contain gel can be sealed with the end

DIRECTIONS FOR CHANGING RESERVOIRS! With the arrow on the drive rod pointing up, pull the drive rod out as far as it will go. Remove the empty reservoir. wrap and place in trash can. Reservoirs that still contain gel can be sealed with the outlet cap for future use. To attach a new reservoir of gel follow the above directions. 1. To apply gel: Remove cap from tip, touch tip to surface

- 2.
- To apply gel: Hemove cap from Up, touch tip to surface and depress plunger. Recap after use.

  Apply gel in spots in cracks and crevices. For best results, place many spots or dabs of gel where you see ants foraging and entering the structure.

  Do not apply the gel to areas which have been recently sprayed with insecticide or contaminated with foggers and do not spray insecticide over gel as this may cause the half to become repellent 10 not anothy cell to areas. the bait to become repellent. Do not apply gel to areas

If you have recently sprayed, remove the dead ants and thoroughly clean the area before applying the gel. Place the bait as follows: Gel can be placed in cracks,

race in data as follows, det can be placed in clacks, crevices, comers and any out of the way place, such as under and behind kitchen appliances, along baseboards, under sinks, in pantry, around pipes and water heater, window and door frames, and in the garage, attic, or crawl space.

REFILLABLE STATIONS: Maxforce Fleet may be placed REFILLABLE STATIONS: Maxforce Fleet may be placed into refillable bait stations designed for Interior or exterior/perimeter use; when placing bait in the station, do not exceed the capacity of the station's reservoir. Close bait station securely after application, During follow up visits inspect placements and reapply as needed. For best results, place stations near ant trails, nest sites, when any extension of the placements are secured. where ants are actively foraging or suspected areas of ant activity. Stations may also be placed along fence lines and property lines to intercept foraging ants entering the property.

#### FOR INDOOR USE:

Visually inspect for ants and place bait in areas of known or suspected ant activity. Place bait along foraging trails and into nest sites. A careful inspection will help to identify sites suitable for bait placement. Apply bait in small spots or beads into cracks, crevices, holes or other small openings where ants travel including; wall voids, cracks and crevices in kitchen, bathroom under sink, window sills, screen vents, garage, attic, and crawl spaces. Do not treat food preparation surfaces.

#### **OUTDOOR USE:**

Place gel outdoors into, on or adjacent to structures where you see ants, next to ant trails and suspected areas of ant activity. Likely locations for ants and gel placements are points of entry into structure and areas with potential water damage including eaves, soffits, weep holes, where wires and pipes come into the building structure, trees, sturnes, roots, wood decks, fences, planter boxes, woodpiles, landscaping, and railroad ties. Extreme heat or cold, direct sunlight and water may reduce the residual effectiveness. Pest population reduction will be apparent within a week

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or

PESTICIDE STORAGE: Store in a cool, dry area out of

reach of children.

PESTICIDE DISPOSAL: If Empty: Do not reuse container. Place in trash or offer for recycling if available.

available.

If Partly Filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

For questions or comments about MAXFORCE, call toll-free 1-800-331-2867.



EE PACKAGE FOR COMPLETE DIRECTIONS
AND PRECAUTIONS

st Weight 'g (0.95 Oz) 3363883 3333461B 170112AV3

Bayer

Produced for:
Bayer Environmental Science
A Division of Bayer CropScience IP
5000 CentreGreen Way, Suite 400
Cary, NC 27513
Product of China