



MAXFORCE FORT RB0,05 10X(4X30GR) BOX MDE

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Version 2 / CHI
102000022527

Revision Date: 19.10.2015
Print Date: 01.11.2015

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

1.1 Product identifier

Trade name MAXFORCE FORT RB0,05 10X(4X30GR) BOX MDE
Product code (UVP) 79717598

1.2 Supplier's details

Supplier Bayer CropScience (China)
Company Ltd.
No.5 Road Hangzhou Economic &
Technological Development Area
310018 Hangzhou
Zhejiang
PR of China

Telephone +86 (0)571 87265252

Telefax +86 (0)571 86912531

Responsible Department QHSE Management
Email: SDS.China@bayer.com

1.3 Emergency telephone no.

Emergency telephone no. +86 (0) 10-83132345 (24 h response / 7 days)

Global Incident Response Hotline (24h) +1 (760) 476-3964 (Company 3E for Bayer CropScience)

1.4 Recommended and restricted uses

Use Insecticide

SECTION 2: HAZARDS IDENTIFICATION

2.1 Emergency Overview

May be harmful if swallowed.

Harmful to aquatic life with long lasting effects.

2.2 Classification of the substance or mixture

Classification in accordance with Chinese GHS Regulation:

Acute toxicity: Category 5

H303 May be harmful if swallowed.

Chronic aquatic toxicity: Category 3

H412 Harmful to aquatic life with long lasting effects.

2.3 Label elements

The product is labeled in accordance with Chinese GHS regulation:

Hazardous components which must be listed on the label:

- Fipronil

Hazard statements

H303 May be harmful if swallowed.

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273 Avoid release to the environment.

Response

P312 Call a POISON CENTER/doctor/physician if you feel unwell.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local regulation.

2.4 Physical and chemical hazards

No hazards to be specially mentioned.

2.5 Health hazard

No hazards to be specially mentioned.

2.6 Environmental hazards

Harmful to aquatic life with long lasting effects.

2.7 Other hazards

No other hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature: Mixture**

Bait (ready for use) (RB)

Fipronil 0,05%

Hazardous components

Name	CAS-No. / EC-No.	Concentration [%]
Fipronil	120068-37-3	0,05
1,2-Benzisothiazol-3(2H)-one	2634-33-5	>=0,05 – <=5,0
Mixture of 5-Chlor-2-methyl-3(2H)-isothiazolon and 2-Methyl-2H-isothiazol-3-on	55965-84-9	>=0,0015 – <=0,06

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General advice**

Move out of dangerous area. When symptoms develop and persist, seek medical advice.

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Skin contact	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.
Eye contact	Remove contact lens and rinse eyes immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately.
4.2 Most important symptoms and health effects	
Symptoms	The following symptoms may occur: Restlessness, Anxiety, Tremors, Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).
4.3 Advice for emergency responders	
Note	Wear appropriate personal protective equipment, avoid direct contact.
4.4 Special note for doctor	
Treatment	There is no specific antidote. Carefully monitor the respiratory functions. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. Oxygen or artificial respiration if needed. Keep respiratory tract clear. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Symptoms of poisoning may only appear several hours later. Keep under medical supervision for at least 48 hours.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable	Water spray, Carbon dioxide (CO ₂), Foam, Dry powder
Unsuitable	High volume water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire the following may be released: Carbon monoxide (CO), Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride (HCl), Hydrogen fluoride

5.3 Advice for firefighters

Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus.
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Further information	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.
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SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Precautions	Avoid contact with spilled product or contaminated surfaces.
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6.2 Environmental precautions

Do not allow to get into surface water, drains and ground water.

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The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. 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.

6.4 Precautionary measures to prevent the occurrence of secondary disasters

Check also for any local site procedures.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling****Advice on safe handling**

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Hygiene measures

Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage areas and containers**

Store in a place accessible by authorized persons only. Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Suitable materials

Use of Bulk packaging at formulation site for temporary transport only! Polyethylene film within an outer package

7.3 Specific end uses

Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Fipronil	120068-37-3	0,035 mg/m ³ (TWA)		OES BCS*

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

8.2 Engineering controls

Use only in area provided with appropriate exhaust ventilation.

8.3 Exposure controls**Personal protective equipment****Respiratory protection**

Respiratory protection is not required under anticipated circumstances of exposure.

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Hand protection	Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Eye protection	Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).
Skin and body protection	Wear standard coveralls and Category 3 Type 4 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Form	gel
Colour	brown
Odour	weak, characteristic
pH	5 - 7 at 1 % (23 °C) (deionized water)

9.2 Other information Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Thermal decomposition Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No hazardous reactions when stored and handled according to prescribed instructions.

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Store only in the original container.

10.6 Hazardous decomposition products No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute oral toxicity LD50 (rat) > 2.000 mg/kg

Acute dermal toxicity LD50 (rat) > 2.000 mg/kg

Skin irritation Slight irritant effect - does not require labelling. (rabbit)

Eye irritation Slight irritant effect - does not require labelling. (rabbit)

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Sensitisation Non-sensitizing. (guinea pig)
OECD Test Guideline 406, Buehler test

Assessment repeated dose toxicity

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.

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.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

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.

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.

12.2 Persistence and degradability

Biodegradability Fipronil:
not rapidly biodegradable

Koc Fipronil: Koc: 427 - 1278

12.3 Bioaccumulative potential

Bioaccumulation Fipronil: Bioconcentration factor (BCF) 321
Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil Fipronil: Slightly mobile in soils

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment 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).



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12.6 Other adverse effects

Additional ecological information No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Contaminated packaging

Dispose of as unused product.

Waste key for the unused product

02 01 08* agrochemical waste containing dangerous substances (European Waste Code)

HW04 Pesticide which is out of expiry date or no longer useful (Chinese Waste Code)

SECTION 14: TRANSPORT INFORMATION

According to GB6944-2012/IMDG/IATA not classified as dangerous goods.

14.1 – 14.5 Not applicable.

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION

The classification and labeling in this SDS and other management on chemicals is according to the following regulations:

Inventory of Existing Chemical Substances:

Fipronil: Not listed

Dangerous Chemical Products:

Fipronil: Not listed

China Strictly Limits the Import and Export of Toxic Chemicals list:

Fipronil: Not listed

Occupational Disease Harm Factor Catalogue:

Fipronil: Not listed

Key Environmental Regulatory Hazardous Chemicals list:

Fipronil: Not listed

Key Regulatory Hazardous Chemicals list:

Fipronil: Not listed

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Listing of the product is based on the current official list.

SECTION 16: OTHER INFORMATION**16.1 Indication of changes**

Revised according to the current National Standard of the Chinese regulation for compiling of safety datasheets., The following sections have been revised:; Section 12. Ecological information.

16.2 Abbreviations and acronyms

CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

16.3 Disclaimer

New safety data sheet according to Regulation GB16483-2008. The classification of this product is in accordance with the Chinese national standard "Safety rules for classification, precautionary labeling and precautionary statements of chemical" (GB30000.2-2013-GB30000.28-2013).

This data sheet complements the user's instructions, but does not replace them.

The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended.

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