

**FIPRONIL RB 0,05C W****U-KR**

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Version 1 / F
102000022527

Revision Date: 14.05.2009

Print Date: 11.11.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

| | | |
|----------------------------|---|------|
| Trade name | FIPRONIL RB 0,05C W | U-KR |
| Product code (UVP) | 79717598 | |
| Company | Bayer Environmental Science 16, rue Jean-Marie Leclair 69009 Lyon France | |
| Responsible Department | Email: fds-france@bayercropscience.com | |
| Emergency telephone number | +33(0)4.72.85.25.25 | |
| Telefax | +33(0)4.72.85.27.99 | |
| Numéro INRS | +33(0)1.45.42.59.59 | |

2. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Bait (ready for use) (RB)
Fipronil 0,05%**Hazardous components**

| Chemical Name | CAS-No. / EC-No. | Symbol(s) | R-phrases(s) | Concentration [%] |
|--|------------------------|-----------|-----------------------------------|---------------------|
| Fipronil | 120068-37-3 4246105 | T, N | R23/24/25, R48/25, R50/53 | 0,05 |
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5 220-120-9 | Xn, N | R22, R38, R41, R43, R50 | >= 0,05 - <= 5,00 |
| Mixture of 5-Chlor-2-methyl-3(2H)-isothiazolon and 2-Methyl-2H-isothiazol-3-on | 55965-84-9 | T, N | R23/24/25, R34, R43, R50/53 | >= 0,0015 - <= 0,06 |

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES**General advice**

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

Skin contact

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.



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Eye contact

In case of eye contact, remove contact lens and rinse 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.

Notes to Physician

Symptoms

The following symptoms may occur: restlessness, anxiety, Tremors

Treatment

Carefully monitor the respiratory functions.

There is no specific antidote.

In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens.

Give 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.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray

Carbon dioxide (CO₂)

Foam

Dry powder

Specific hazards during fire fighting

In the event of fire the following may be released:

Carbon monoxide (CO)

Nitrogen oxides (NO_x)

Sulphur oxides

Hydrogen chloride (HCl)

Hydrogen fluoride (HF)

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Contain the spread of the fire-fighting media.

Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with spilled product or contaminated surfaces.

Environmental Precautions

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

Methods for cleaning up

The nature of this product, when contained in commercial packs, makes spillage unlikely.

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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).
Collect and transfer the product into a properly labelled and tightly closed container.

Additional Advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE**Handling**

Advice on safe handling

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

Storage

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.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

| | | |
|-----------------------|--------|-------|
| Temperature tolerance | min. | max. |
| | -10 °C | 38 °C |

Suitable materials
Polypropylene

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

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

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

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 | No personal respiratory protective equipment normally required. |
| Hand protection | Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands 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 | Light protective clothing |



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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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|--------|----------------------|
| Form | gel |
| Colour | brown |
| Odour | weak, characteristic |

Safety data

| | |
|---------|---|
| pH | 5 - 7 at 1 % (23 °C) |
| Density | approx. 1,18 g/cm ³ at 20 °C |

10. STABILITY AND REACTIVITY

| | |
|---------------------|---|
| Hazardous Reactions | No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions. |
|---------------------|---|

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------|---|
| 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) |
| Sensitization | Non-sensitizing. OECD Test Guideline 406, Buehler test |

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

| | |
|-----------------|--|
| Bioaccumulation | Lepomis macrochirus (Bluegill sunfish) Bioconcentration factor (BCF): 321 The value mentioned relates to the active ingredient fipronil. |
|-----------------|--|

Ecotoxicity effects



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| 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 daphnia | EC50 (Water flea (Daphnia magna)) 0,19 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient fipronil. |
| Toxicity to algae | EC50 (Scenedesmus subspicatus) 0,068 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient fipronil. |

13. DISPOSAL CONSIDERATIONS

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

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification:

Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Fipronil

R-phrases)

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Contains 5-chloro-2-methyl-isothiazol-3-one/2-methyl-isothiazol-3-one. May produce an allergic reaction.

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION



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Further information

Text of R-phrases mentioned in Section 3

| | |
|-----------|--|
| R22 | Harmful if swallowed. |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| R34 | Causes burns. |
| R38 | Irritating to skin. |
| R41 | Risk of serious damage to eyes. |
| R43 | May cause sensitization by skin contact. |
| R48/25 | Toxic: danger of serious damage to health by prolonged exposure if swallowed. |
| R50 | Very toxic to aquatic organisms. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

The information given in this Data Sheet has been included in accordance with the guidelines established by Regulation (EC) 1907/2006. 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. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

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