

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 31.08.2009

Version: 1.0

Product: **SOREXA CHECKATUBE**

(30486776/SDS\_GEN\_EU/EN)

Date of print 01.09.2009

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## 1. Substance/preparation and company identification

### SOREXA CHECKATUBE

Use: biocide

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Crop Protection

Telephone: +49 621 60-27777

Telefax number: +49 621 60-27125

E-mail address: Produktinformation-Pflanzenschutz@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazard identification

### Possible Hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

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## 3. Composition/information on ingredients

Chemical nature

rodenticide, Bait

Contains: Brodifacoum

2mL of a 0,2% solution dosed on two felt wicks, contained in a rigid plastic tube

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## 4. First-Aid Measures

### General advice:

Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

### On skin contact:

After contact with skin, wash immediately with plenty of water. If irritation develops, seek medical attention.

### On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### On ingestion:

If swallowed, seek medical advice immediately and show this container or label. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor. Rinse mouth immediately with water.

### Note to physician:

Symptoms: coagulation disorders, blood in urine, weakness, loss of appetite

Hazards: The product contains a blood coagulation inhibitor. Symptoms of poisoning may only appear after several hours.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: Vitamin K1 preparation as antidote. Medical monitoring for at least 24 hours.

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## 5. Fire-Fighting Measures

### Suitable extinguishing media:

water spray, dry extinguishing media, foam, carbon dioxide

### Specific hazards:

carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

### Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

### Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

### Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

### Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

### Methods for cleaning up or taking up:

Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

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## 7. Handling and Storage

### Handling

No special measures necessary if stored and handled correctly. If dead and/or dying rats or mice are found during and after the control program, these must be cleared away immediately in order to avoid secondary poisoning phenomena.

### Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Protect against moisture. Keep away from heat. Protect from direct sunlight.

### Storage stability:

Storage duration: 24 Months

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## 8. Exposure controls and personal protection

### Personal protective equipment

#### Respiratory protection:

Respiratory protection not required.

#### Hand protection:

Although gloves are not required for the safe use of the product, they are recommended for protection against rodent-borne diseases.

#### Eye protection:

Eye protection not required.

#### Body protection:

Body protection must be chosen based on level of activity and exposure.

**General safety and hygiene measures:**

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Keep separated from food stuffs and feed stocks. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Store work clothing separately.

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## 9. Physical and Chemical Properties

Form:	cylinders
Colour:	black
Odour:	odourless
pH value:	not applicable
Melting point:	not applicable
Flash point:	not applicable
Flammability:	does not ignite
Ignition temperature:	No data available.
Explosion hazard:	not explosive
Fire promoting properties:	No data available.
Density:	not applicable
Solubility in water:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	not applicable

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## 10. Stability and Reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
No data available.

Corrosion to metals: No data available.

**Hazardous reactions:**

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

**Hazardous decomposition products:**

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

*Information on: Brodifacoum*  
*Experimental/calculated data:*  
*LD50 rat (oral): 0.418 mg/kg*  
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*Information on: Brodifacoum*  
*Experimental/calculated data:*  
*LC50 rat (by inhalation): 0.00305 - 0.00486 mg/l 4 h*  
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*Information on: Brodifacoum*  
*Experimental/calculated data:*  
*LD50 rat (dermal): 3.16 mg/kg*  
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### Irritation

Assessment of irritating effects:  
Not irritating to eyes and skin.

### Respiratory/Skin sensitization

*Information on: Brodifacoum*  
*Assessment of sensitization:*  
*May cause sensitization by skin contact.*  
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### Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological Information

### Ecotoxicity

*Information on: Brodifacoum*  
*Toxicity to fish:*  
*LC50 (96 h) 0.04 mg/l, Oncorhynchus mykiss*  
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*Information on: Brodifacoum*  
*Aquatic invertebrates:*  
*LC50 (48 h) > 0.001 mg/l, Daphnia magna*  
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*Information on: Brodifacoum*  
*Aquatic plants:*

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*EC50 (72 h) > 0.001 mg/l (growth rate), Pseudokirchneriella subcapitata*  
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Assessment of terrestrial toxicity:  
Hazardous to birds and mammals.

### **Persistence and degradability**

*Information on: Brodifacoum*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Not readily biodegradable (by OECD criteria).*  
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### **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from the properties of the individual components.

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## **13. Disposal Considerations**

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.

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## **14. Transport Information**

### **Land transport**

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

### **Inland waterway transport**

ADNR

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### **Sea transport**

IMDG

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**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### **Regulations of the European union (Labelling) / National legislation/Regulations**

#### EEC Directives:

The product does not require a hazard warning label in accordance with EC Directives.

#### **Other regulations**

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.