

# Safety data sheet

Page: 1/9

---

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

Date / Revised: 01.09.2009

Version: 2.0

Product: **STORM WBB**

(30131467/SDS\_GEN\_EU/EN)

Date of print 23.12.2009

---

## 1. Substance/preparation and company identification

### STORM WBB

Use: rodenticide, 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](mailto:Produktinformation-Pflanzenschutz@basf.com)Emergency information:

International emergency number:

Telephone: +49 180 2273-112

---

## 2. Hazard identification

### Possible Hazards

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

---

## 3. Composition/information on ingredients

Chemical nature

rodenticide, Bait, biocide

Hazardous ingredients

according to Directive 1999/45/EC

**Flocoumafen**

Content (W/W): 0.005 %  
CAS Number: 90035-08-8  
EC-Number: 421-960-0  
INDEX-Number: 607-375-00-5  
Hazard symbol(s): T+, N  
R-phrase(s): 26/27/28, 48/23/24/25, 50/53

**alpha-cypermethrine**

Content (W/W): 0.0002 %  
CAS Number: 67375-30-8  
EC-Number: 257-842-9  
Hazard symbol(s): T, N  
R-phrase(s): 20, 25, 37/38, 48/22, 50/53

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

---

## 4. First-Aid Measures

**General advice:**

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. 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 and soap. 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:**

Rinse mouth immediately and then drink plenty of water, seek medical attention. 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.

**Note to physician:**

Symptoms: tiredness, loss of appetite, coagulation disorders

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: Vitamin K1 preparation as antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

dry extinguishing media, foam, water spray, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
carbon monoxide, hydrogen fluoride, carbon dioxide, nitrogen oxides, toxic gas  
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:  
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. 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.

---

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

Methods for cleaning up or taking up:  
For large amounts: Sweep/shovel up.  
For residues: Contain with dust binding material and dispose of.  
Avoid raising dust. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect waste in suitable containers, which can be labeled and sealed. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

---

## 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. Do not apply in the open (use bait boxes, bait cartons or foil bags).

Protection against fire and explosion:  
Dust can form an explosive mixture with air. Avoid dust formation. Avoid deposition of dust. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep locked-up and out of reach of children. Keep in a cool, well-ventilated place. Keep away from heat. Protect against moisture. Protect from direct sunlight.

Protect from temperatures above: 30 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

---

## 8. Exposure controls and personal protection

### Personal protective equipment

#### Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Remove contaminated clothing immediately and dispose of safely. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. 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.

---

## 9. Physical and Chemical Properties

Form: solid, blocks  
Colour: blue  
Odour: slight odour, paraffin-like

pH value: not applicable

Melting point: not applicable

BASF Safety data sheet according to Regulation (EC) No. 1907/2006  
Date / Revised: 01.09.2009  
Product: **STORM WBB**

Version: 2.0

(30131467/SDS\_GEN\_EU/EN)

Date of print 23.12.2009

Flash point: not applicable  
Ignition temperature: 235 °C  
Density: not applicable  
Bulk density: 0.60 - 0.68 kg/dm<sup>3</sup>  
Solubility in water: insoluble  
Partitioning coefficient n-octanol/water (log Pow): not applicable  
Viscosity, dynamic: not applicable  
Viscosity, kinematic: not applicable

---

## 10. Stability and Reactivity

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

Substances to avoid:  
No substances known that should be avoided.

Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.

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

---

## 11. Toxicological Information

### Acute toxicity

Experimental/calculated data:  
LD50 rat (oral): > 5,000 mg/kg

LD50 rat (dermal): > 5,000 mg/kg

*Information on: Flocoumafen*  
Experimental/calculated data:  
LC50 rat (by inhalation): 0.0008 - 0.007 mg/l 4 h

*Information on: alpha-cypermethrine*  
Experimental/calculated data:  
LC50 rat (by inhalation): 1.33 mg/l 4 h (OECD Guideline 403)  
Tested as dust aerosol.

-----

## Irritation

Experimental/calculated data:  
Skin corrosion/irritation rabbit: non-irritant

Serious eyes damages/irritation rabbit: non-irritant

## Respiratory/Skin sensitization

Experimental/calculated data:  
modified Buehler test guinea pig: Skin sensitizing effects were not observed in animal studies.

## Other relevant toxicity information

Misuse can be harmful to health.

---

## 12. Ecological Information

### Ecotoxicity

Toxicity to fish:  
LC50 (96 h) > 4,000 mg/l, *Oncorhynchus mykiss*  
The product has not been tested. The statement has been derived from products of a similar structure and composition.

Aquatic invertebrates:  
EC50 (48 h) 280 mg/l, *Daphnia magna*  
The product has not been tested. The statement has been derived from products of a similar structure and composition.

*Information on: Flocoumafen*

*Toxicity to fish:*  
LC50 (96 h) 0.071 mg/l, *Oncorhynchus mykiss*

LC50 (96 h) 0.112 mg/l, *Lepomis macrochirus*

*Information on: alpha-cypermethrine*

*Toxicity to fish:*  
LC50 (96 h) 2,8 µg/l, *Oncorhynchus mykiss* (OECD 203; ISO 7346; 84/449/EEC, C. 1)

*Information on: Flocoumafen*

*Aquatic invertebrates:*  
EC50 (48 h) 0.17 mg/l, *Daphnia magna*

*Information on: alpha-cypermethrine*

*Aquatic invertebrates:*  
EC50 (48 h) 0,3 µg/l, *Daphnia magna* (OECD Guideline 202, part 1)

*Information on: Flocoumafen*

*Aquatic plants:*

*EC50 (72 h)  $\geq$  18.2 mg/l, Pseudokirchneriella subcapitata*

*Information on: alpha-cypermethrine*

*Aquatic plants:*

*EC50 (96 h) > 100 µg/l, Scenedesmus subspicatus (OECD Guideline 201)*  
-----

### **Persistence and degradability**

*Information on: Flocoumafen*

*Assessment biodegradation and elimination (H2O):*

**|** *Not readily biodegradable (by OECD criteria).*

*Information on: alpha-cypermethrine*

*Assessment biodegradation and elimination (H2O):*

**|** *Not readily biodegradable (by OECD criteria).*  
-----

### **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

---

## **13. Disposal Considerations**

Must be dumped or incinerated in accordance with local regulations.

Following completion of the control programme, any bait which has not been taken must be collected and disposed of.

---

## **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

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

**15. Regulatory Information****Regulations of the European union (Labelling) / National legislation/Regulations**Self classification:

S-phrase(s)

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S35	This material and its container must be disposed of in a safe way.
S57	Use appropriate container to avoid environmental contamination.

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

**Other regulations****16. Other Information**

Recommended use: rodenticide, biocide

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

T+	Very toxic.
N	Dangerous for the environment.
T	Toxic.
26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
20	Harmful by inhalation.
25	Toxic if swallowed.
37/38	Irritating to respiratory system and skin.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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



---

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

Date / Revised: 01.09.2009

Version: 2.0

Product: **STORM WBB**

(30131467/SDS\_GEN\_EU/EN)

Date of print 23.12.2009

---

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.