

Safety data sheet

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

Date / Revised: 03.09.2009

Version: 1.0

Product: **RATAK WAX BLOCKS**

(30486489/SDS_GEN_GB/EN)

Date of print 20.10.2009

1. Substance/preparation and company identification

RATAK WAX BLOCKS

Use: Chemical

Company:

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GERMANY

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International emergency number:
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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

Hazardous ingredients

according to Directive 1999/45/EC

Difenacoum

Content (W/W): 0.005 %

CAS Number: 56073-07-5

Hazard symbol(s): T+, N

R-phrase(s): 26/27/28, 48/23/24/25, 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. 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:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention if necessary.

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 with water. Do not induce vomiting. Seek medical attention if necessary.

Note to physician:

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: Vitamin K1 preparation as antidote. Medical monitoring for at least 24-48 hours.

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.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

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.

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:
The product is combustible but not self combustible not explosive and does not add to the spreading of fire. 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.

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Further information on storage conditions: Protect against moisture. Keep away from heat. Protect from direct sunlight. Keep locked-up and out of reach of children.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 30 °C

8. Exposure controls and personal protection

Components with workplace control parameters

57-50-1: sucrose

TWA value 10 mg/m³ (EH40 (UK))

STEL value 20 mg/m³ (EH40 (UK))

Personal protective equipment

Respiratory protection:

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

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:

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:

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.

9. Physical and Chemical Properties

Form: wax, blocks
Colour: dark green
Odour: almost odourless

pH value:

not soluble, The product has not been tested.

Information on: Paraffin waxes and Hydrocarbon waxes
softening range: > 40 °C

(DIN ISO 2207)

Flammability: does not ignite

Information on: Paraffin waxes and Hydrocarbon waxes

Ignition temperature: > 300 °C

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Vapour pressure:

negligible

Density:

1.09 g/cm³
(20 °C, 1,013 hPa)

(calculated)

Relative density:

approx. 1.09

Solubility in water: not soluble

*Information on: Difenacoum*Partitioning coefficient n-octanol/water (log Pow): 7.6
(20 °C)

Surface tension:

not determined

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.

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.

11. Toxicological Information

Acute toxicity

Information on: Difenacoum
Experimental/calculated data:
LD50 rat (oral): 1.8 mg/kg

Information on: Difenacoum
Experimental/calculated data:
LC50 rat (by inhalation): 0.00346 - 0.005848 mg/l 4 h

Information on: Difenacoum
Experimental/calculated data:
LD50 rat (dermal): 63 mg/kg

Irritation

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

Respiratory/Skin sensitization

Assessment of sensitization:
There is no evidence of a skin-sensitizing potential.

Other relevant toxicity information

Misuse can be harmful to health. The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Information on: Difenacoum
Toxicity to fish:
LC50 (96 h) 0.064 mg/l, Oncorhynchus mykiss

Information on: Difenacoum
Aquatic invertebrates:
LC50 (48 h) 0.52 mg/l, Daphnia magna

Information on: Difenacoum
Aquatic plants:
No observed effect concentration (72 h) 0.25 mg/l (growth rate), Pseudokirchneriella subcapitata

Assessment of terrestrial toxicity:
Hazardous to birds and mammals.

Persistence and degradability*Information on: Difenacoum**Assessment biodegradation and elimination (H₂O):**Not readily biodegradable (by OECD criteria).*
-----**Additional information**

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (GB)

Contaminated packaging:

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

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

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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

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

Other regulations

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

16. Other Information

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

T+	Very toxic.
N	Dangerous for the environment.
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.

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

If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following e-mail address: product-safety-north@basf.com

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.