

Safety data sheet

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

Date / Revised: 03.09.2009

Product: **KLERAT W/B**

Version: 1.1

(30471532/SDS_GEN_GB/EN)

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1. Substance/preparation and company identification

KLERAT W/B

Use: Chemical

Company:

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2. Hazard identification

According to REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Classification of the substance and mixture:

No need for classification according to GHS criteria for this product.

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

Contains: Brodifacoum (Content (W/W): 0.005 %)

4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth and then drink plenty of water.

Note to physician:
Treatment: Symptomatic treatment (decontamination, vital functions).
Information on: Difenacoum
Treatment: Symptomatic treatment (decontamination, vital functions). Medical monitoring for at least 24-48 hours.
Antidote: Vitamin K1 preparation as antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry extinguishing media, foam, carbon dioxide

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:

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

For large amounts: Contain with dust binding material and dispose of.

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:

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: Protect against moisture. Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

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:

Required when there is a risk of eye contact.

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.

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: blocks
Colour: dark blue
Odour: odourless

Melting point: > 50 °C

Boiling point: The product is a non-volatile solid.

Flash point: Non-flammable.

Flammability: not highly flammable
Information on: Paraffin waxes and Hydrocarbon waxes

Ignition temperature: > 300 °C

Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Vapour pressure: negligible

Relative density: approx. 1.09
(20 °C)

Solubility in water: insoluble
Partitioning coefficient n-octanol/water (log Pow): not applicable

Surface tension: not applicable

Viscosity, dynamic: not applicable

Grain size distribution: No data available.

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: Corrosive effects to metal are not anticipated.

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

Assessment of acute toxicity:
Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:
(by inhalation): No data available concerning acute toxicity.

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.

Germ cell mutagenicity

Assessment of mutagenicity:
No data available.

Carcinogenicity

Assessment of carcinogenicity:
No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity:
No data available concerning reproduction toxicity.

Developmental toxicity

Assessment of teratogenicity:
No data available concerning teratogenic effects.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
No data available.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
No data available concerning aquatic toxicity. There is a high probability that the product is not acutely harmful to aquatic organisms.

Information on: Paraffin waxes and Hydrocarbon waxes

Toxicity to fish:

*LC50 (48 h) > 500 mg/l, *Leuciscus idus**

Assessment of terrestrial toxicity:
Hazardous to birds and mammals.

Persistence and degradability

Information on: MAIZE GRITS (YG600)- SILO "E"

Assessment biodegradation and elimination (H₂O):

Biodegradable.

Information on: Paraffin waxes and Hydrocarbon waxes

Assessment biodegradation and elimination (H₂O):

Easily eliminated from water. Biodegradable. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Information on: OATFLOUR

Assessment biodegradation and elimination (H₂O):

Biodegradable. The product has not been tested. The statement has been derived from the structure of the product.

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

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

as in Annex VI of Directive 67/548/EEC:

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

Consult the product label for additional details.

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.