

Safety data sheet

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

Date / Revised: 27.11.2012

Version: 3.0

Product: **NEOSOREXA PASTA BAIT PRO**

(ID no. 30486520/SDS_GEN_GB/EN)

Date of print 24.12.2012

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

NEOSOREXA PASTA BAIT PRO

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: rodenticide, biocide

Details of the supplier of the safety data sheet

Company:
BASF SE
67056 Ludwigshafen
GERMANY

Contact address:
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Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

| Globally Harmonized System, EU (GHS)

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

According to Directive 67/548/EEC or 1999/45/EC

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Classification/labelling in accordance with UK regulations.

S-phrase(s)

S1/2

Keep locked-up and out of reach of children.

S13

Keep away from food, drink and animal feeding stuffs.

S20/21

When using do not eat, drink or smoke.

S37

Wear suitable gloves.

S46

If swallowed, seek medical advice immediately and show this container or label.

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

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

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

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

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

This product is hazardous to mammals, including domesticated animals, and birds. Exposure of non-target animals should be prevented.

3. Composition/Information on Ingredients

Mixtures

Chemical nature

rodenticide, biocide

Contains: 3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin; difenacoum (Content (W/W): 0.005 %)

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

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Sucrose

Content (W/W): < 20 %

CAS Number: 57-50-1

EC-Number: 200-334-9

Starch

Content (W/W): < 20 %

CAS Number: 9005-25-8

EC-Number: 232-679-6

Propane-1,2-diol

Content (W/W): < 10 %

CAS Number: 57-55-6

EC-Number: 200-338-0

REACH registration number: 01-2119456809-23

Hazardous ingredients

according to Directive 1999/45/EC

Sucrose

Content (W/W): < 20 %

CAS Number: 57-50-1

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Starch

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4. First-Aid Measures**Description of first aid measures**

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water.

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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.

Most important symptoms and effects, both acute and delayed

Symptoms: coagulation disorders

Hazards: The substance / product is an anticoagulant rodenticide with a coumarin-type mode of action.

Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: Vitamin K1 preparation as antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Special hazards arising from the substance or mixture

carbon monoxide, Carbon dioxide

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

Advice for fire-fighters

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, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.

Environmental precautions

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

Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

Methods and material for containment and cleaning up

For small amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

For large amounts: Pick up with suitable appliance and dispose of.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Remove dried product with water.

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

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

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

57-50-1: Sucrose

TWA value 10 mg/m³ (WEL/EH 40 (UK))

STEL value 20 mg/m³ (WEL/EH 40 (UK))

9005-25-8: Starch

TWA value 4 mg/m³ (WEL/EH 40 (UK)), Respirable

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57-55-6: Propane-1,2-diol
 TWA value 10 mg/m³ (WEL/EH 40 (UK)), Inhalable
 TWA value 10 mg/m³ (WEL/EH 40 (UK)), Particulate
 TWA value 474 mg/m³ ; 150 ppm (WEL/EH 40 (UK)), Total vapour and particulates

Exposure controls

Personal protective equipment

Respiratory protection:
 Respiratory protection not required.

Hand protection:
 Protective gloves (EN 374) are required for the safe handling of this product and are also recommended for protection against rodent-borne diseases.
 e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other
 Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
 Safety glasses, 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

Wearing of closed work clothing is recommended. Handle in accordance with good industrial hygiene and safety practice. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	semi-solid
Colour:	blue
Odour:	fruity
Odour threshold:	Not determined due to potential health hazard by inhalation.
pH value:	insoluble, The product has not been tested.
Melting temperature:	The substance / product decomposes therefore not determined., Information based on the main components.
boiling temperature:	The product has not been tested.

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Flash point:	Non-flammable., The product has not been tested. The statement has been derived from the properties of the individual components.
Evaporation rate:	not applicable
Flammability:	not highly flammable
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Ignition temperature:	No data available.
Vapour pressure:	The product has not been tested.
Density:	approx. 1.05 g/cm ³ (20 °C)
Relative vapour density (air):	not determined
Solubility in water:	insoluble
<i>Information on: Difenacoum</i>	
<i>Partitioning coefficient n-octanol/water (log Kow): 7.6</i> (20 °C)	

Self ignition:	not determined
Thermal decomposition:	not determined
Viscosity, dynamic:	not applicable
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.

Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity**Reactivity**

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

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

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

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

strong bases, strong acids, strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products:

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

11. Toxicological Information**Information on toxicological effects**Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): 36,000 mg/kg

Information on: Difenacoum

Experimental/calculated data:

LC50 rat (by inhalation): 0.00346 - 0.005848 mg/l 4 h (OECD Guideline 403)

An aerosol was tested.

Information on: Difenacoum

Experimental/calculated data:

LD50 rat (dermal): 63 mg/kg (Directive 92/69/EEC, B.3)

The European Union (EU) has classified this substance as 'very toxic'.

Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

Information on: Difenacoum

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (Guideline 92/69/EEC, B.4)

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Information on: Difenacoum

*Experimental/calculated data:**Serious eye damage/irritation rabbit: non-irritant (Guideline 92/69/EEC, B.5)*

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

*Information on: Difenacoum**Experimental/calculated data:**Guinea pig maximization test guinea pig: Non-sensitizing. (Guideline 92/69/EEC, B.6)*

Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

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

Assessment of repeated dose toxicity:

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

*Information on: Difenacoum**Assessment of repeated dose toxicity:**Repeated exposure to small quantities may affect certain organs. Damages the coagulation system.*

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Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Difenacoum

Toxicity to fish:

LC50 (96 h) 0.064 mg/l, Oncorhynchus mykiss (Directive 92/69/EEC, C.1)

Information on: Difenacoum

Aquatic invertebrates:

EC50 (48 h) 0.52 mg/l, Daphnia magna (Directive 92/69/EEC, C.2)

Information on: Difenacoum

Aquatic plants:

No observed effect concentration (72 h) 0.25 mg/l (growth rate), Pseudokirchneriella subcapitata (Guideline 92/69/EEC, C.3)

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

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

| *Information on: Difenacoum*

Assessment biodegradation and elimination (H₂O):

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

Bioaccumulative potential

Bioaccumulation potential:

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

| *Information on: Difenacoum*

Bioaccumulation potential:

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Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is possible.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

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

Information on: Difenacoum

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Results of PBT and vPvB assessment

The product contains a potential PBT substance.

The product contains a potential vPvB substance.

Information on: Difenacoum

Fulfills the criteria for PBT and vPvB

Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

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

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known
Transport in inland waterway vessel:	Not evaluated

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable

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Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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).

Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

16. Other Information

Consult the product label for additional details.

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If you have any queries relating to this MSDS, its 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.

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