

Safety Data Sheet

Version: 1.0
Date / Revised: 11.04.2016

STORM® SOFT BAIT RODENTICIDE

Date of Print: 11.04.2016

1. Substance/preparation and company identification

STORM® SOFT BAIT RODENTICIDE

Use: Ready to use rodenticide bait for the control of rats and mice in and around industrial, commercial, agricultural and domestic buildings. Controls rats and mice resist to warfarin.

Manufacturer / supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place
Southbank VIC 3006
AUSTRALIA
Telephone: +61-3-8855 6600
Telefax: +61-3-8855 6511

Emergency information (24 h):

Within Australia: 1800 803 440
Outside Australia: +61 3 8855 6666

2. Hazards Identification

NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOODS.

The product is not classified as a hazardous chemical in accordance with GHS criteria.

Precautionary Statement:

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.

Precautionary Statement (Prevention):

Wear protective gloves. Do not eat, drink or smoke when using this product.
Avoid release to the environment.
The product is hazardous to mammals, including domesticated animals and birds.
Exposure of non-target animals should be prevented.

3. Composition/Information on Ingredients

Chemical nature:

Rodenticide bait containing Flocoumafen (Content: (W/W): 0.005%)
CAS Number: 90035-08-8

4. First-Aid Measures

Safety Data Sheet

Version: 1.0
Date / Revised: 11.04.2016

STORM® SOFT BAIT RODENTICIDE

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General advice:

Remove contaminated clothing. If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26.

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:

The active constituent flocoumafen is an indirect blood anticoagulant. Ingestion of a relatively large quantity of bait would be required before a toxic effect is expected. In general, an increased tendency to bleed could indicate poisoning.

Symptoms: Coagulation disorders with increased tendency to bleed. In severe cases, massive bleeding from internal organs may result in circulatory shock, which could prove fatal. The onset of symptoms is delayed for up to 4 days after uptake.

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

Treatment: Symptomatic treatment (decontamination, vital functions). Vitamin K1 (phytomenadione) is antidotal. In cases of suspected poisoning, determine prothrombin time not less than 18 hours after consumption. If elevation has occurred, administer Vitamin K1 intravenously in divided doses (40 mg for adults, 20 mg for children) daily. Treatment may be required daily for several weeks. Withdraw antidote with care and monitor prothrombin times continuously for 4 days or more after such withdrawal.

5. Fire-Fighting Measures

Suitable extinguishing media:

Water spray, dry powder, foam.

Unsuitable extinguishing media for safety reasons:

Carbon dioxide.

Specific hazards:

The following substances can be released in a fire: carbon monoxide and carbon dioxide.

Further information:

In case of fire and/or explosion do not breathe fumes.

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.

Safety Data Sheet

Version: 1.0
Date / Revised: 11.04.2016

STORM® SOFT BAIT RODENTICIDE

Date of Print: 11.04.2016

Methods for cleaning-up or taking-up:

Wipe up spills with paper towels or cloth and dispose in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

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. Avoid contact with eyes. Hands and/or face should be washed before breaks and at the end of the shift. If dead and/or dying rats and 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 product in the open – cover bait points or use bait boxes. Do not place baits in areas accessible to domestic animals, children, pets and wildlife. Do not place baits in areas liable to flooding. This bait is hazardous to pigs, cats, dogs, poultry, birds and wildlife.

Protection against fire and explosion:

No special precautions necessary.

Storage:

Store in the closed original container in a safe place. Do not store for prolonged periods in direct sunlight. Containers which have held bait should not be used for any other purpose. Segregate from food and animal feeds. The product is odour-sensitive: segregate from products releasing odours. Protect against moisture. Keep away from heat. Protect from direct sunlight. Do not store at temperatures above 30°C.

8. Exposure Controls and Personal Protection

Exposure limit values

No workplace exposure standard is applicable for this product.

Respiratory protection:

No respiratory protection required.

Hand protection:

Elbow-length chemical resistant gloves are required for the safe handling of this product and also recommended for protection against rodent-borne diseases, e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm) or polyvinylchloride (0.7 mm).

Eye protection:

Required when there is a risk of eye contact, e.g. safety glasses with side-shields.

Body protection:

Cotton overalls buttoned to the neck and wrist (or equivalent clothing).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing (e.g. cotton overalls) is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use. After each day's use, wash gloves.

Safety Data Sheet

Version: 1.0
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STORM® SOFT BAIT RODENTICIDE

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9. Physical and Chemical Properties

Form:	paste
Colour:	blue-green
Odour:	characteristic
pH value:	approx. 5 – 7 (water, 1% (m))
Boiling point:	not applicable
Melting range:	not applicable
Flash point:	not applicable
Lower explosion limit:	not available
Upper explosion limit:	not available
Explosion hazard:	not explosive
Self ignition:	275°C
Vapour pressure:	not tested
Density:	approx. 1.05 g/cm ³ (20°C)
Solubility in water:	insoluble
Solubility:	not available for other media
Partitioning coefficient n-octanol/water (log Pow):	6.12 (pH value 7) – Flocoumafen
Viscosity	not applicable
Evaporation rate:	not available

10. Stability and Reactivity

Conditions to avoid:

Keep away from heat. Protect from direct sunlight.

Thermal decomposition:

No decomposition if stored and handled as per the directions on the label.

Materials to avoid:

Strong acids, strong bases and strong oxidizing agents.

Hazardous reactions:

No hazardous reactions when stored and handled as per the directions on the label.

Hazardous decomposition products:

No hazardous decomposition product when stored and handled as per the directions on the label.

11. Toxicological Information

Acute toxicity**Assessment of acute toxicity:**

Virtually non-toxic after a single ingestion. Virtually non-toxic by inhalation. Virtually non-toxic 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:

LD50 rat (oral): > 5000 mg/kg (OECD Guideline 401)

Safety Data Sheet

Version: 1.0
Date / Revised: 11.04.2016

STORM® SOFT BAIT RODENTICIDE

Date of Print: 11.04.2016

LD50 rat (dermal): > 4000 mg/kg (OECD Guideline 402)
No mortality was observed.

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Germ cell mutagenicity

Assessment of mutagenicity:

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

Carcinogenicity

Assessment of carcinogenicity:

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

Reproductive toxicity

Assessment of reproduction toxicity:

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

Developmental toxicity

Assessment of teratogenicity:

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

Repeated dose toxicity and Specific Target Organ Toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated exposure to small quantities of flocoumafen may affect certain organs. Damages the coagulation system.

Other relevant toxicity information:

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Safety Data Sheet

Version: 1.0
Date / Revised: 11.04.2016

STORM® SOFT BAIT RODENTICIDE

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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 substances/products of a similar structure or composition.

Toxicity to fish:LC50 (96 h): > 4000 mg/l, *Oncorhynchus mykiss*

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

Toxicity to aquatic invertebrates:EC50 (48 h): 280 mg/l, *Daphnia magna*

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

Toxicity to aquatic plants (Flocoumafen):EC50 (72 h): > 18.2 mg/l, *Pseudokirchneriella subcapitata* (OECD Guideline 201)**Assessment of terrestrial toxicity:**

Hazardous to birds and mammals.

Mobility**Assessment transport between environmental compartments:**

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of the groundwater is not expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability**Assessment biodegradation and elimination (H₂O):**

Flocoumafen is not readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential**Bioaccumulation potential:**

Based on the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is possible. The product has not been tested. The statement has been derived from the properties of the individual components.

Additional information**Other ecotoxicological advice:**

Must not be discharge into the environment. Do not contaminate ponds, streams, rivers or waterways with the bait or its used containers.

13. Disposal Considerations

Waste disposal of substance:

Dispose of in accordance with relevant local, state or territory government regulations. Do not incinerate product.

Safety Data Sheet

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Contaminated packaging:

Pest Control Operators should dispose of empty containers, used bait stations and unused or untaken bait by burying in an approved dump. In a domestic situation, minimise the presence of excess baits. Where unused baits are in good condition, return to original container for reuse. For empty containers, damaged or unwanted baits, wrap securely and dispose of in household refuse bin. Look for dead rats or mice and burn or bury them. Do not place dead rats or mice in refuse bins or rubbish tips. Ensure baits are removed when rodent activity has ceased. Containers that held bait should not be used for any other purpose.

14. Transport Information

Domestic transport (ADG):

Not classified as a dangerous good under transport regulations.

Sea transport (IMDG):

Not classified as a dangerous good under transport regulations.

Air transport (ICAO/IATA):

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule: Schedule 6

Registration status

APVMA Approval Number 80663/101357

16. Other Information

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.