

Storm[®]

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STORM

Reg. No. L5204; N-AR 0875

Act No. 36 of 1947

**READ ATTACHED PACKAGE OR LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

A highly active anticoagulant ready-for-use block bait for the control of rats and mice in the domestic, industrial and public health markets, and gerbils in public health and agriculture.

'n Hoogs aktiewe bloedstolweermiddel gereed-vir-gebruik bloklokaas vir die beheer van rotte en muise in huishoudelike-, industriële- en openbare gesondheidsmarkte en springhaasrotte (nagmuise) in openbare gesondheid en landbou.

May cause damage to organs (Blood) through prolonged or repeated exposure.

Do not breathe dust.

If medical advice is needed, have product container or label at hand.

Active ingredients / Aktiewe bestanddele:

Flocoumafen (anticoagulant)... 0,05 g/kg

Registered by:

BASF South Africa (Pty) Ltd
Co. Reg. No. 66/10235/07
852 Sixteenth Road
P.O. Box 2801
Halfway House 1685
+27 11 203 2400

Geregistreer deur:

BASF Suid-Afrika (Edms) Bpk
Mpy Reg. Nr 66/10235/07
852 Sestiende Laan
Posbus 2801
Halfweghuis 1685
+27 11 203 2400

WARNING



Batch No. & Date manufactured: Refer to details printed on container

Lotnommer & Datum vervaardig: Verwys na besonderhede gedruk op houer

EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946

3 kg

® = Registered trademark of BASF / Geregistreerde handelsmerk van BASF



WARNINGS**Hazard Statements**

- May cause damage to organs (Blood) through prolonged or repeated exposure.
- Handle with care and especially avoid contact by mouth.
- KEEP OUT OF REACH OF CHILDREN, IRRESPONSIBLE PEOPLE AND PETS.
- Store in original container under lock and key, away from food and feedstuffs.
- Do not place the bait blocks at random but follow the **DIRECTIONS FOR USE** faithfully.
- IN CASE OF ACCIDENTAL POISONING, CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions and the occurrence of resistance of the pest against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or due to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS**Precautionary Statements**

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Do not breathe dust.
- Get medical advice/attention if you feel unwell.
- Dispose of contents and container to hazardous or special waste collection point.
- Avoid contact with the skin.
- WEAR RUBBER GLOVES when putting out the bait blocks and wash hands afterwards.
- Prevent contamination of edible commodities, eating utensils and drinking water.
- Destroy empty container and never re-use for any other purpose.

- SELECT BAITING POINTS WHERE BAIT BLOCKS WILL BE INACCESSIBLE TO CHILDREN AND DOMESTIC ANIMALS.
- Bury bait blocks that have not been consumed at the end of the treatment.
- Do not eat, drink, or smoke while handling the bait.
- Remove all remains of the bait blocks and bait containers after treatment and dispose of them in a responsible manner. Look for and burn all rodent carcasses. Do not place them in refuse bins or on rubbish tips.

RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
flocoumafen (ISO); reaction mass of: cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin; trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin	90035-08-8	0,005 %
Wheat flour	130498-22-5	< 75 %
Paraffin waxes and Hydrocarbon waxes	8002-74-2	< 30 %

FIRST AID TREATMENT

Remove contaminated clothing.

If inhaled:	Keep patient calm, remove to fresh air, seek medical attention
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:	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: coagulation disorders 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 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.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

General directions:

STORM® block bait is ready to use. **STORM**® could kill rodents in a single feed (including warfarin resistant rats and mice), but death will not occur until 3 to 10 days after feeding, making it suitable for the pulse baiting technique. Most infestations will be eliminated in 21 days.

Preparation for baiting:

Before placing **STORM**® blocks, inspect the infested site thoroughly to determine the location of all rat and mouse entry, nesting and feeding sites. Pay special attention to dark corners and areas where rubbish has accumulated, roof spaces, hollow walls, under floors and particularly, in the case of rats, all sources of water. **PLACE THE BLOCKS IN PLACES WHERE THEY ARE INACCESSIBLE TO CHILDREN AND NON-TARGET SPECIES.** The blocks should be covered to prevent access by birds and domestic pets, and to prevent them becoming unpalatable. Suitable covers would include drainpipes, tiles or boards leant against especially inside walls. Rodents feel more secure when feeding under cover.

Baiting:

Follow DIRECTIONS FOR BAITING below.

SITE AND PEST	DIRECTIONS FOR BAITING
<p>Commensal rodent control in and around buildings</p> <p>RATS (Norway and Roof rats)</p>	<p>Select suitable baiting points (e.g., in active rat holes, along runs and under rubbish) after having inspected the infested site as mentioned under General directions above. Attempt to establish a barrier of blocks between the living and feeding areas of the rats. Baiting points can be as close as 5 meters apart in heavy infestations and up to 10 meters apart in light infestations. Place two or three STORM® blocks in a shallow container at each baiting point and one or two in each active rat hole.</p> <p>Examine all baiting points after three days and blocks that have not been eaten should be repositioned. Re-examine the baiting points after another four days and any block that has been eaten must be replaced. Place a fresh block in each active rat hole. Hereafter, repeat this operation every seven days, placing fresh blocks on each occasion only where blocks have been eaten. Normally only three or four such baiting rounds (or pulses) are required per control campaign.</p>
<p>MICE</p>	<p>Mice are more difficult to control than rats because their feeding patterns are more erratic. They usually range over limited areas and do not need to drink. Site exploration is therefore very important. Place STORM® block bait up to two metres apart in areas where activity is obvious, particularly where droppings are seen. In domestic premises, single blocks must be placed in sheltered positions (INACCESSIBLE TO CHILDREN AND PETS) where mice are active, such as under flooring, inside ceiling cavities, along pipe runs and conduits and behind skirting boards, furniture, and appliances.</p> <p>Inspect baiting points and replace blocks as described above for rat control.</p>

<p>RATS (Norway and Roof rats) MICE</p> <p>Rodent control in industrial premises (e.g., stores, warehouses, and grain storage areas)</p>	<p>Select suitable baiting points and place STORM® block bait according to the directions for baiting as described above for commensal rodent control.</p>
<p>MICE RATS (Norway and Roof rats)</p> <p>Rodent control as a public health function (e.g., municipal refuse tips)</p>	<p>Select suitable baiting points and place STORM® block bait according to the directions for baiting as described above for commensal rodent control.</p>
<p>GERBILS</p> <p>Municipal waste land Agricultural use (e.g., maize lands)</p>	<p>Place STORM® block bait at regular intervals of 5 – 10 or 20 meters (depending on the infestation) in a grid pattern over the infested area. Use 1 to 2 kg of STORM® block bait per hectare. Inspect the treated areas weekly and replenish the STORM® block bait in the patches where activity persists.</p>

WAARSKUWINGS

Gevaarverklarings

- Mag skade aan organe veroorsaak deur langdurige of herhaalde blootstelling
- Hanteer versigtig en voorkom veral aanraking met die mond.
- HOU BUIITE BEREIK VAN KINDERS, ONINGELIGTE PERSONE EN TROETELDIERE.
- Bêre in oorspronklike houer agter slot en grendel en weg van voedsel en voer.
- Moenie die blokkies na willekeur rondstrooi nie maar volg die **GEBRUIKSAANWYSINGS noukeurig**.
- IN GEVAL VAN TOEVALLIGE VERGIFTIGING, MOET 'N DOKTER ONTBIED WORD EN TOON HOM HIERDIE ETIKET.

Alhoewel hierdie middel omvattend en onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale klimaats- en bergingstoestande en die voorkoms van weerstand van die plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

Voorsorgverklarings

- Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
- Hou buite bereik van kinders.
- Lees sorgvuldig en volg alle instruksies.
- Moenie spuitstof inasem nie.
- Kry mediese advies/aandag indien u siek voel.
- Raak ontslae van inhoud en houer deur na 'n gevaarlike- of spesiale-afval insamelingsplek te besorg.
- Vermoeg kontak met die vel.
- DRA RUBBERHANDSKOENE wanneer die lokaasblokke hanteer word en was hande daarna.
- Voorkom besmetting van eetbare produkte, eetgerei en drinkwater.
- Vernietig die lêë houer en moet dit nooit vir enige ander doel hergebruik nie.

- KIES DIE LOKAASPLASINGSPUNTE SODAT DIE BLOKKIES ONTOEGANGLIK IS VIR KINDERS EN TROETELDIERE.
- Begrawe lokaasblokke wat na behandeling nie opgevrete is nie.
- Moenie eet, drink of rook terwyl die lokaas hanteer word nie.
- Verwyder alle oortollige lokaas na behandeling en doen weg daarmee op 'n verantwoordelike wyse. Soek vir en verbrand knaagdierkarkasse. Moet hulle nie in vuilgoedblikke of op stortterreine weggooi nie.

RELEVANTE STOWWE

Gevaarlike bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
flocoumafen (ISO); reaction mass of: cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin; trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin	90035-08-8	0,005 %
Wheat flour	130498-22-5	< 75 %
Paraffin waxes and Hydrocarbon waxes	8002-74-2	< 30 %

NOODHULPBEHANDELING

Verwyder gekontameneerde klere.

INDIEN IN DIE OË:	Spoel aangetaste oë vir ten minste 15 minute met lopende water, terwyl die ooglede oopgehou word.
INDIEN INGESLUK:	Spoel mond dadelik uit en drink 200 – 300 ml water. Verkry mediese hulp.
INDIEN OP DIE VEL:	Was aangetaste area deeglik met seep en water.
INDIEN INGEASEM:	Hou pasiënt kalm en verwyder na vars lug. Verkry mediese hulp.

Belangrikste simptome en effekte, beide akute en vertraag

Simptome: stollingsversteurings

Verhoogde neiging om te bloei.

In ernstige gevalle kan grootskaalse bloeding van interne organe lei tot sirkulatoriese skok, wat dodelik kan wees.

Die aanvang van simptome word tot 4 dae na opname vertraag.

Gezare: Die stof / produk is 'n bloedstolweermiddel knaagdierdoder met 'n kumarien-tipe werking.

Aanduiding van enige onmiddellike mediese aandag en spesiale behandeling wat nodig is

Behandel simptome (reinig, belangrikste funksies)..

Teenmiddel: Vitamien K1-preparaat as teenmiddel.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

Algemene aanwysings:

STORM[®] bloklokaas is gereed vir gebruik. **STORM**[®] kan knaagdiere na 'n enkele inname dood (insluitend warfarinbestande rotte en muise) maar die dood tree eers 3 tot 10 dae na voeding in, wat dit geskik maak vir die ritme lokaasplasingtegniek. Die meeste besmettings sal na 21 dae uitgeroei wees.

Vorbereiding vir plasing van lokaasblokke:

Alvorens **STORM**[®] blokke uitgeplaas word, moet die besmette perseel deeglik geïnspekteer word om te bepaal waar ingange, neste en voedingsgebiede van rotte en muise is. Gee veral aandag aan donker plekke en gebiede waar gemors versamel het, tussen dakke en plafonne, hol mure, onder vloere en, veral in die geval van rotte, alle bronne van water. **DIE BLOKKE MOET UITGEPLAAS WORD WAAR HULLE ONTOEGANKLIK IS VIR KINDERS EN NIE-TEIKENDIERE.** Die blokke behoort bedek te word om te voorkom dat bv. voëls en troeteldiere toegang tot hulle verkry en ook om te voorkom dat hulle onsmaklik word. Geskikte bedekkingsmateriaal is bv. 'n stuk rioolpyp, teëls of stukke plank wat skuins teen mure gelê kan word, veral teen binnemure. Knaagdiere voel veiliger as hulle onder beskutting kan voed.

Plaas van lokaasblokke:

Volg AANWYSINGS VIR PLAAS VAN LOKAAS soos hieronder beskryf.

PLEK EN PLAAG	AANWYSINGS VIR PLAAS VAN LOKAAS
<p>ROTTE (Noorweegse- en dakrotte)</p> <p>Gemeenskapsknaagdierbeheer in en om geboue</p>	<p>Kies geskikte lokaasplasingpunte (bv. in aktiewe gate, langs bewegingsroetes en onder afval) nadat die besmette perseel ondersoek is, soos beskryf in Algemeneaanwysings hierbo. Probeer om 'n versperring van blokke tussen die woon- en voedingsplekke van die rotte te maak. Sulke lokaasplasingpunte kan binne 5 meter van mekaar geplaas word waar hoë bevolkings voorkom of tot 10 meter van mekaar waar minder rotte is. Plaas twee of drie STORM[®] blokke in 'n vlak houër by elke plasingpunt en een of twee binne-in elke gat waar aktiwiteite plaasvind.</p> <p>Ondersoek alle lokaasstellings na drie dae en blokke waaraan nie geëet is nie moet op 'n ander stelling geplaas word. Herondersoek die stellings na 'n verdere vier dae en enige blok wat opgeëet is, moet vervang word. Plaas 'n nuwe blok in elke gat waar aktiwiteite plaasvind. Herhaal hierdie prosedure dan elke sewe dae en plaas telkens nuwe blokke waar gevrete blokke teengekom word. Normaalweg sal drie of vier sulke rondtes (of ritmes) benodig word per bestrydingsveldtog.</p>

<p>MUISE</p>	<p>Muise is moeiliker om te beheer as rotte omdat hulle voedingsgewoontes wisselvalliger is. Hulle beweeg oor kleiner gebiede, en het nie vry water nodig nie. Deeglike ondersoek van die perseel is daarom van nog groter belang. Plaas STORM[®] blokke uit tot twee meter van mekaar af in plekke waar hulle aktiwiteit opvallend is, soos waar hulle mis opgemerk word. Binnenshuis moet blokke een-een in beskutte plekke geplaas word (ONTOEGANKLIK VIR KINDERS EN TROETELDIERE) waar daar duidelike tekens van aktiwiteit is soos bv. onder vloere, bo-op plafonne, langs water- en geleipype, agter vloerlyste, meubels en toestelle.</p> <p>Inspekteer sulke lokaasplasingspunte en vervang blokke soos hierbo beskryf vir die beheer van rotte.</p>
<p>ROTTE (Noorweegse- en dakrotte)</p> <p>MUISE</p> <p>Knaagdierbeheer in industriële persele (bv. stoorkamers, pakhuse en graanopbergingspersele)</p>	<p>Kies geskikte lokaasplasingspunte en plaas STORM[®] blokklokaas uit volgens die aanwysings vir die plaas van die lokaas soos hierbo beskryf vir gemeenskapsknaagdierbeheer.</p>
<p>ROTTE (Noorweegse- en dakrotte)</p> <p>MUISE</p> <p>Knaagdierbeheer vir openbare gesondheid (bv. Munisipale stort-terreine)</p>	<p>Kies geskikte lokaasplasingspunte en plaas STORM[®] blokklokaas uit volgens die aanwysings, vir die plaas van die lokaas soos hierbo beskryf vir gemeenskapsknaagdierbeheer.</p>
<p>SPRINGHAASROTTE (NAGMUISE)</p> <p>Onbeboude munisipale grond</p> <p>Akkerboukundige gebruik (bv. mielielande)</p>	<p>Plaas STORM[®] lokaasblokke uit elke 5 – 10 of 20 meter (afhangende van die bevolkingsdruk) in 'n roosterpatroon in die besmette area. Gebruik 1 tot 2 kg van die STORM[®] lokaasblokke per hektaar. Inspekteer die behandelde area weekliks en vul die STORM[®] lokaasblokke aan in die kolle waar aktiwiteit voortduur.</p>

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