

 **BASF**  
The Chemical Company



Reg. no.: L 5204; N -AR 0875 Act no 36 of 1947.  
W 130067

**SECURE**

**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 gerbilles in public health and agriculture.**

Active ingredient: Flocoumafen (anticoagulant) .....0,05 g / kg

FOR FULL PARTICULARS, SEE ENCLOSED PAMPHLET

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**'n Hoogs aktiewe teenbloedstollingsmiddel gereed-vir-gebruik blokkloaas vir die beheer van rotte en muise in huishoudelike-, industriële- en openbare gesondheidsmarkte en springhaasrotte in openbare gesondheid en landbou.**

Aktiewe bestanddeel: Flokumafen (teenbloedstollingsmiddel) .....0,05 g / kg

**Registered by / Geregistreer deur:**

BASF South Africa (Pty) Ltd. / BASF Suid-Afrika (Edms) Bpk.

Co. Reg. No. / Mpy. Reg. Nr. 66/10235/07

P.O. Box / Posbus 2801, Halfway House / Halfweghuis 1685

**Manufactured and formulated by /**

**Vervaardig en geformuleer deur:**

BASF Agro BV Arnhem (NL), Waedenswil Branch

Moosacherstraße 2, CH-8820 Waedenswil, Switzerland

**EMERGENCY NUMBER / NOODNOMMER 082 893 3643**

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® = Registered Trademark of BASF

® = Geregistreerde Handelsmerk van BASF

**20 Kg**  
(20g blocks)



58588720  
81048244 ZA 1040



**HARMFUL  
SKADELIK**



## WARNINGS

- Handle with care and especially avoid contact by mouth.
- Poisonous if swallowed and upon contact with the skin.
- KEEP OUT OF REACH OF CHILDREN, UNINFORMED PEOPLE AND ANIMALS.
- Toxic to fish and wildlife.
- 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

- 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.

## SYMPTOMS OF HUMAN POISONING

- An increased tendency to bleed could indicate accidental poisoning, e.g. nose bleeds, bleeding gums and bruises under the skin, haemorrhage into and around elbow and knee joints and blood in urine and faeces.
- NOTE: The bait blocks contain a blue water soluble dye. If ingested or after contact with the skin, a stain may appear around the mouth or on the contaminated skin indicating that exposure has occurred.

## FIRST AID TREATMENT

- **IF IN EYES:** Flush with clean water for at least ten minutes. If irritation persists, obtain medical advice.
- **IF INGESTED:** Wash out mouth. If bait is swallowed, OBTAIN MEDICAL ATTENTION IMMEDIATELY. DO NOT induce vomiting.

ONLY if medical assistance is not readily available and if a large quantity has been swallowed, then vomiting can be induced provided the patient is conscious. TAKE PATIENT TO NEAREST PHYSICIAN AS SOON AS POSSIBLE.

## NOTE TO PHYSICIAN

Flocoumafen is an anticoagulant. Vitamin K1 (phytomenadione) is antidotal. In case of suspected poisoning, determine prothrombin times 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 four days or more after such withdrawal.

## 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 drain pipes, 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: 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 <b>General directions</b> 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 metre apart in heavy infestations and up to 10 metre apart in light infestations. Place two or three <b>STORM</b> 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>

SITE AND PEST	DIRECTIONS FOR BAITING
Mice	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 <b>STORM</b> block bait up to two meters apart in areas where activity is obvious, particularly where droppings are seen. In domestic premises, single blocks must be placed in sheltered positions ( <b>INACCESSIBLE TO CHILDREN AND PETS</b> ) where mice are active, such as under flooring, inside ceiling cavities, along pipe runs and conduits and behind skirting boards, furniture and appliances. Inspect baiting points and replace blocks as described above for rat control.
Rodent control in industrial premises (e.g. stores, warehouses and grain storage areas): Rats (Norway and roof rats) Mice	Select suitable baiting points and place <b>STORM</b> block bait according to the directions for baiting as described above for commensal rodent control.
Rodent control as a public health function (e.g. municipal refuse tips): Rats (Norway and roof rats) Mice	Select suitable baiting points and place <b>STORM</b> block bait according to the directions for baiting as described above for commensal rodent control.
Municipal waste land: Agricultural use (e.g. maize lands):  Gerbilles	Place <b>STORM</b> 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 <b>STORM</b> block bait per hectare. Inspect the treated areas weekly and replenish the <b>STORM</b> block bait in the patches where activity persists.

## WAARSKUWINGS

- Hanteer versigtig en voorkom veral aanraking met die mond.
- Giftig indien ingesluk en deur kontak met die vel.
- **HOU BUIE BEREIK VAN KINDERS, ONINGELIGTE PERSONE EN TROETELDIERE.**
- Giftig vir vis en wild.
- 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.**

## VOORSORGMATREËLS

- Vermoed 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.

## SIMPTOME VAN MENSLIKE VERGIFTIGING

- 'n Toenemende neiging tot bloeding kan dui op toevallige vergiftiging, bv. bloeiende neus en tandvleise, kneusplekke onder die veloppervlak, bloeding in- en om die elmboë en knieë en bloed in die uitskeidings.
- **NOTA:** Die lokaasblokke bevat 'n blou wateroplosbare kleurstof. Indien ingeneem of na kontak met die vel kan 'n vlek om die mond of op die aangetaste vel verskyn wat sal aandui dat blootstelling plaasgevind het.

## NOODHULPBEHANDELING

- **INDIEN IN OË:** Spoel met skoon water vir minstens tien minute. Indien irritasie voortduur, moet mediese advies ingewin word.
- **INDIEN INGENEEM:** Was die mond uit. Indien die lokaas ingesluk is, **VERKRY ONMIDDELLIK MEDIESE BYSTAND.** MOENIE braking veroorsaak nie.

**ALLEENLIK** wanneer mediese bystand nie gereedlik beskikbaar is nie of as 'n groot hoeveelheid ingeneem is, kan braking veroorsaak word mits die pasiënt nie bewusteloos is nie. **NEEM DIE PASIËNT SO GOU MOONTLIK NA DIE NAASTE GENEESHEER.**

## NOTA AAN GENEESHEER

Flokumafen is 'n teenbloedstillingsmiddel. Vitamiene K1 (fitomenadioon) is 'n teenmiddel. Indien vergiftiging vermoed word, moet protrombienetyd binne 18 uur na inname bepaal word. As 'n styging voorgekom het, moet Vitamiene K1 daagliks en in verdeelde dosisse binne-aars toegedien word (40 mg vir volwassenes, 20 mg vir kinders). Behandeling kan daagliks benodig word vir etlike weke.

Onttrek die teenmiddel met sorg en monitor die protrombienetyd aanhoudend vir minstens vier dae na onttrekking.

## GEBRUIKSAANWYSINGS

## GEBRUIKS SLEGS SOOS AANGEDUI

**Algemene aanwysings:** **STORM**-blokkokaas is gereed vir gebruik. **STORM** kan kwaagdiere na 'n enkele inname dood (insluitend warfarin-bestande 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.

**Voorbereiding 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 muis 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>Gemeenskapsknaagdierbeheer in en om geboue: Rotte (Noorweegse- en dakrotte)</p>	<p>Kies geskikte lokaasplasingpunte (bv. in aktiewe gate, langs bewegingsroetes en onder afval) nadat die besmette perseel ondersoek is, soos beskryf in <b>Algemene aanwysings</b> hierbo.</p> <p>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 <b>STORM</b>-blokke in 'n vlak houer by elke plasingpunt en een of twee binne-in elke gat waar aktiwiteit 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 aktiwiteit plaasvind. Herhaal hierdie prosedure dan elke sewe dae en plaas telkens nuwe blokke waar gevreter blokke teengekom word. Normaalweg sal drie of vier sulke rondtes (of ritmes) benodig word per bestrydingsveldtog.</p>



PLEK EN PLAAG	AANWYSINGS VIR PLAAS VAN LOKAAS
Muis	Muis 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 <b>STORM</b> -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. Inspekteer sulke lokaasplasingpunte en vervang blokke soos hierbo beskryf vir die beheer van rotte.
Knaagdierbeheer in industriële persele (bv. stookkamers, pakhuse en graanopbergingspersele): Rotte (Noorweegse- en dakrotte) Muis	Kies geskikte lokaasplasingpunte en plaas <b>STORM</b> -blokkokaas uit volgens die aanwysings vir die plaas van die lokaas soos hierbo beskryf vir gemeenskapsknaagdierbeheer.
Knaagdierbeheer vir openbare gesondheid (bv. munisipale stort-terreine): Rotte (Noorweegse- en dakrotte) Muis	Kies geskikte lokaasplasingpunte en plaas <b>STORM</b> -blokkokaas uit volgens die aanwysings, vir die plaas van die lokaas soos hierbo beskryf vir gemeenskapsknaagdierbeheer.
Onbeboude munisipale grond; Akkerboukundige gebruik (bv. in mielelande): Springhaasrotte	Plaas <b>STORM</b> - lokaasblokke uit elke 5 - 10 of 20 meter (afhangende van die bevolkingsdruk) in 'n roosterpatroon in die besette area. Gebruik 1 tot 2 kg van die <b>STORM</b> -lokaasblokke per hektaar. Inspekteer die behandelde area weekliks en vul die <b>STORM</b> -lokaasblokke aan in die kolle waar aktiwiteit voortduur.

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