



LIQUID BAIT

Reg. No. / Nr. L9289 Act No. / Wet Nr. 36 of / van 1947

READ THE LABEL BEFORE USE

KEEP LOCKED AWAY, OUT OF REACH OF CHILDREN AND ANIMALS

THIS REMEDY CONTAINS AN ANTI-COAGULENT THAT MAY CAUSE INTERNAL BLEEDING IF CONSUMED. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY REGISTERED PEST CONTROL OPERATORS AND APPLIED IN TAMPER-RESISTANT BAIT STATIONS. OBTAIN, READ AND FOLLOW ALL SAFETY INSTRUCTIONS BEFORE USE.

RRAC CODE

1C

RODENTICIDE

A Highly active anticoagulant liquid bait, used diluted with water in Tamper-resistant Bait Stations; for the control of Norway Rat, Roof Rat and the House Mouse.
Not for Domestic Use

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:

Brodifacoum (Anticoagulant) ... 0.75 g/l

Contains a human taste bittering agent: Denatonium benzoate



DANGER



Hazard Statements:

Causes damage to organs (bleeding) through prolonged or repeated exposure.

Precautionary Statements:

Keep out of reach of children.
Wear protective clothing, gloves, eye, and face protection.
Wash hands and face thoroughly after handling.
Get medical help if you feel unwell.

SCAN FOR GHS INFO:



Content
Inhoud

WARNINGS:

Hazard Statements:

Causes damage to organs (bleeding) through prolonged or repeated exposure.

- Handle the undiluted and diluted bait solution with extreme care.
- May be harmful if swallowed.
- Immediately store the container with product and any unused bait in its original container, **locked up**.
- Ensure the child-resistant re-closable lid is tightly closed at all times.
- Always reclose the product container immediately after use and store it locked up, out of reach of children and pets.
- **Store locked up in closed container.**
- Apply the bait solution **ONLY** in **tamper-resistant** bait stations.
- Ensure the bait station is securely anchored.
- **Keep product and bait station out of reach of children**, uninformed persons, non-target animals and pets.
- Store in a cool place away from food, feed, seed or other agricultural remedies.
- Birds and non-target mammals may be at risk.
- **In case of poisoning or suspected poisoning, especially involving children**, get immediate medical attention and make this label available.
- Notify all persons in the treatment area of the rodent control activity and instruct them not to open, move, or tamper with any bait stations.

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 storage conditions and the occurrence of resistance of the rodents to 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 crops, vegetation, the environment or harm to human beings or animals or for lack of performance of the remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

PRECAUTIONS:

Precautionary Statements:

General:

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

Prevention:

Obtain, read and follow all safety instructions before use.
Do not breathe dust/vapours.
Wash hands and face thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Wear protective clothing, gloves, eye, and face protection.

Response:

If exposed or concerned, get medical advice.
Get medical help if you feel unwell.

Storage:

Store locked up.

Disposal:

Dispose of contents and container to a licensed waste facility and in accordance with the national waste management regulations and local requirements.

- **Always** wear protective clothing - chemical resistant safety gloves (EN ISO 374-1 Type A or B), overall (covering arms and legs), chemical safety goggles, eye & face protection and boots when handling the undiluted solution and when placing the diluted solution in bait stations, also when cleaning the bait stations and treated area.
- Safety gloves must be resistant to chemical permeation for a period of at least 30 minutes.
- Always wear impervious gloves when removing carcasses.
- Avoid eye and skin contact.
- Avoid contamination of food, food utensils, animal feeds and drinking water.
- Always reclose the container with product immediately after use and store it locked up.
- Wash hands, forearms and face thoroughly after handling the product, with soap and water after use.
- Do not eat, drink or smoke before washing hands and face and change of clothing.

Cleaning and Disposal:

- Search for and remove dead rodents at frequent intervals.
- While wearing impervious gloves, collect and **dispose of carcasses as follows**:
 - Place the carcasses in leakproof plastic bags or suitable containers and dispose of in trash or bury at least 50 cm (0.5 metre) below ground surface, preferably deeper.
 - Carcasses must be inaccessible to other animals (birds of prey, owls, dogs and cats), children or uninformed persons.
- Clean all equipment thoroughly after use, whilst wearing chemical resistant safety gloves (EN ISO 374-1 Type A or Type B).
- Take off contaminated clothing and wash before re-use. Wash yourself thoroughly with soap and lukewarm water.
- Dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.

Registered by:

Innovative Pest Management
(Pty.) Ltd.
Reg. No. 2001/00587/07
P.O. Box 3131 | Kenmare | 1745

Distributed by:

AVIMA (Pty.) Ltd.
Reg. No. 1961/001744/07
18 Aschenberg Street | Chamdor |
Krugersdorp | +27 11 769 1300

In case of poisoning call:

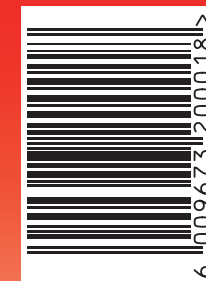
National Poison Information
Centre: +27 861 555 777
Disaster Management Number:
Griffon Poison Information
Centre: +27 82 446 8946



Batch No. and Date of

Manufacture:
See printed information on
container.

UN No.:
Not classified for Transport



• **Dispose of empty container or leftover bait as follows:**

- Pour the unwanted leftover bait into original container, fitted with child-resistant reclosable lid. Re-close the container with waste bait or the empty container and ensure the lid is tightly closed. Dispose of the container via an approved collector or recycler approved to handle agricultural remedy containers (www.croplife.co.za).
- Do not bury, burn or donate the container to any other parties that may use it as containers for foodstuffs or beverages.
- **Never** re-use the empty container for any other purpose.
- Liquid Bait retrieved from a treatment, may be re-used if the bait is clean. Store this retrieved bait in the original container, fitted with child-resistant re-closable lid. Always reclose the container immediately after use and store it locked up.
- **Dispose of bait stations unfit for use as follows:** Double-bag the unfit bait station, including the contaminated liquid holder if unfit for re-use. Dispose of it through an approved collector to handle agricultural remedy containers (www.croplife.co.za) or through the CropLife SA PRO certified pesticide waste collection point. Do not throw out leftover bait in household garbage.
- Prevent release into the environment, waterbodies and drainage systems.

RELEVANT SUBSTANCES:

Chemical name	CAS No.	Concentration (w/w %)
Brodifacoum	56073-10-0	< 0.1%

In case of poisoning, call the following 24-hour emergency numbers:
National Poisons Information Centre: +27 861 555 777
Griffon Poison Information Centre: +27 82 446 8946

SYMPTOMS OF POISONING:

Ingestion may cause delayed bleeding, nausea, or vomiting. Severe internal bleeding can be fatal. Symptoms may appear up to 4 days after exposure. Prolonged or repeated exposure to small amounts may lead to cumulative effects such as lethargy, loss of appetite, reduced blood-clotting ability, and bleeding.

FIRST AID MEASURES:

General: Call a physician or poison control centre immediately if ingested. Provide this label or product Safety Data Sheet (SDS) to medical personnel for treatment.

Eye contact: Rinse/flush the eyes gently with cold water from an eye wash fountain or eye rinse bottle for several minutes (at least 15 minutes), while holding the eyelids apart. Continue rinsing without rubbing the eyes. **Seek medical attention if irritation occurs and persists.**

Inhalation: Unlikely to occur. Move patient to fresh air. If breathing is difficult, have qualified personnel administer oxygen. **Seek medical attention if concerned.**

Skin contact: Immediately wash exposed body parts thoroughly with plenty of cold water for 15 to 20 minutes under a safety shower. **Seek medical attention if irritation occurs and persists.**
Ingestion: **Seek immediate medical attention** - call a poison information centre or physician for treatment advice. **Do not** induce vomiting. Rinse the mouth thoroughly with water. **Never** give anything by mouth to an unconscious or convulsing person.

NOTE TO PHYSICIAN:

Brodifacoum is a direct anticoagulant that interferes with the blood clotting mechanism by inhibiting the vitamin K epoxide reductase. Vitamin K₁ preparation as an antidote may only be administered by a physician. Place the patient under medical observation and supervision if bait has been ingested.

INTEGRATED PEST MANAGEMENT & BAIT SHYNESS:

To manage resistance to brodifacoum, a **Group 1C** coumarin rodenticide, note that any rodent population may contain individuals naturally resistant to **brodifacoum** and other **Group 1C** rodenticides. If these rodenticides are used repeatedly, resistant individuals may increase and dominate the population. Such rodents may not be effectively controlled by brodifacoum containing products or any other **Group 1C** rodenticides.

To address bait shyness and improve control efficacy, select the bait that is both palatable and attractive to the target rodent species. Rodent populations may have selective diet preferences or be attracted to specific flavoured food sources. To delay resistance, to prevent bait shyness and to prevent reinfestations, follow an Integrated Pest Management programme (IPM):

- Apply preventative control measures to reduce likelihood of re-invasion. Remove food sources such as leftover food, pet food and garden bird feed. Store foodstuffs in tightly closed, sealed containers. Maintain buildings or structures by sealing cracks and holes around pipes or burrows to prevent rodents from taking shelter. Repair leaking water pipes and dripping taps, and avoid standing water bodies on ground surfaces.
- Integrate different control methods, such as trapping and biological approaches.
- Alternate liquid bait with products of different formulation types - such as wax bait blocks or grain-based baits.
- Avoid exclusive repeated use of rodenticides from the same mode-of-action group. Alternate with products from different mode of action.

For specific information on IPM management contact your local representative.

MODE OF ACTION:

Brodifacoum is a second-generation anticoagulant (SGAR) coumarin rodenticide, with a common anti-vitamin K (AVK) mode of action. It disrupts the normal blood clotting mechanisms by inhibiting vitamin K resulting an increased bleeding tendency and, eventually, haemorrhage and death.

USE RESTRICTIONS:

Prohibited for use in any areas accessible to children. Not for domestic use. Apply bait **only** in lockable, **tamper-resistant bait stations**.

ONLY FOR USE BY A REGISTERED PEST CONTROL OPERATOR.

Strictly adhere to the precautionary measures, warnings and directions for use.

DIRECTIONS FOR USE: Use only as directed.

NOTICE TO USER: Read the entire label before application. This agricultural remedy must be used only in accordance with the instructions provided on this label. It is a contravention of Regulation No. R1716 of 26 July 1991, issued under Act No. 36 of 1947 to use this rodent bait for any purpose or in any manner contrary to the label instructions.

RODEX LIQUID BAIT is only for use in and around Commercial and Industrial premises and on Farms:

Do not use in areas where children are present or may come into contact with the product.

For the control of Norway Rat (*Rattus norvegicus*), Roof Rat (*Rattus rattus*) and the House Mouse Rodents (*Mus musculus*).

Rodents typically die 4 to 12 days after feeding.

Effective against warfarin resistant rats and mice.

Prior to Bait Application & Placing of Bait Stations:

- Remove potential food sources in the rodent problem area, securing garbage bins and seal cracks, holes around pipes and access to food and shelter. This improves intake of bait.
- **Always** place the **diluted solution** in a **lockable, tamper-resistant bait stations**, resistant to destruction by dogs and inaccessible by young children (under 6 years) and fitted with liquid bait holder.
- Secure the liquid bait holder. Fasten the liquid bait holder inside the bait station and ensure it is firmly fixed to prevent it from being shaken loose or dislodged.
- Always reclose the product container immediately after use and store it locked up.
- Ensure the bait station is securely locked and keep the unique key in a safe place.
- Keep record of where the bait stations are placed.
- Place the bait stations in strategic sites where rodent activity is most evident; this is typically along walls, at openings, between walls and floors, in ceilings or besides burrows.
- Cover the bait stations or place them in positions that prevent access by children, dogs, small mammals, non-target animals and uninformed persons.
- Anchor the bait station securely to prevent them from being moved.
- Do not place bait stations close to water drainage systems. Avoid bait coming in contact with water. Do not place bait stations in areas prone to flooding.
- **Always** label the bait stations with the following:
 - o Do not move or open.
 - o Do not touch bait. Do not touch dead animals.
 - o Contains a rodenticide, brodifacoum.

o **RODEX LIQUID BAIT**, Reg. No. L9289.

o **In case of poisoning, call the following 24-hour emergency numbers:**
National Poisons Information Centre: +27 861 555 777
Griffon Poison Information Centre: +27 82 446 8946

Treatment:

- Apply the bait for short, controlled periods of time by following the "Pulse baiting sequence" method:
 - Apply bait for 14 days.
 - Remove the bait and bait stations.
 - Monitor the treated area for rodent activity over the following 14 days.
 - If activity persists, a second 14-day baiting cycle may be applied.
 - Alternate baiting cycles with different types of bait or with different mode of action.
- **Never** use the product as permanent baits for the prevention of rodent infestation or for monitoring of rodent activities.
- **Inspect** the bait stations every 2 to 3 days.
- Check bait stations are intact and adequately covered.
- Clean up bait spilled out of the bait station by rodents.
 - If needed, replenish the bait.
- Search for and remove dead rodents, to prevent poisoning of non-target animals such as birds of prey, owls, dogs and cats.
- Dispose of carcasses as prescribed under "Cleaning and Disposal" instructions.

After Treatment:

- Remove the remaining product, leftover bait and bait stations.
- Place the leftover, unused bait in the original container.
- Always reclose the product container immediately after use and store it locked up.
- Monitor for activity on a regular basis.
- Keep area clean of potential food sources and access to shelter - to prevent re-invasion.

DOSAGE RATES:

1. INITIAL BAITING FOR HEAVY INFESTATION:

- Mix 1 part **RODEX LIQUID BAIT** with 15 parts clean water (65 ml to 1 l water).
- Place the diluted solution **only** in **prescribed bait stations** fitted with liquid bait holder.
- In heavily infested areas, use **RODEX LIQUID BAIT** in combination with **RODEX RAT AND MOUSE PELLETS** or **RODEX GRAIN BAIT**.

2. RE-BAITING FOR HEAVY INFESTATION (replacing Permanent baiting):

- Re-apply bait treatment when rodent activity is noticed 10 to 14 days after the initial 14-day application period.
- Mix 1 part **RODEX LIQUID BAIT** with 50 parts clean water (20 ml to 1 l water).
- Place the diluted solution **only** in **prescribed bait stations** fitted with liquid bait holder.
- After 10 to 14 days, remove the bait stations with bait. **Do not** use this product as permanent baits for prevention of rodent infestation or to monitor rodent activity.

RODEX RAT AND MOUSE PELLETS, Reg. No.: L9293; is a registered product of Innovative Pest Management (Pty) Ltd

RODEX GRAIN BAIT, Reg. No.: L9291 is a registered product of Innovative Pest Management (Pty) Ltd