



AUD-AD-140-2163
08-08-2018

رقم التسجيل :
التاريخ :

قطاع المجتمعات المستدامة
إدارة الشؤون البلدية

شهادة تسجيل مبيد حشري

مبيد آفات صحة عامة (قولر)

تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية

الاسم التجاري للمبيد : RATAQUILL GEL

بلد التسجيل : كولومبيا

المواد الفعالة وتركيزها : Brodifacoum 0.005%

56073-10-0 :CAS RN

صورة المستحضر : rodenticide gel

حجم العبوة : جرام 100,500,1000

بلد (التسجيل/المنشأ) والشركة المنتجة : كولومبيا - MINAGRO INDUSTRIA QUIMICA LTDA

الشركة المحلية المستوردة : شيرود الشرق الاوسط لتجارة المبيدات

تاريخ إصدار الشهادة : 08-08-2018 : صالحة حتى : 01-04-2023

ملاحظات : لا يوجد

وجد مطابقا لنظام تسجيل المبيدات المتبع لديها وقد أعطيت له هذه الشهادة بناء على ذلك.

ملاحظات :

- يعاد تقييم المبيد كل خمس سنوات حتى يتم تجديد هذه الشهادة بعد ذلك.
- تلغى هذه الشهادة في حالة شطب أو سحب المبيد من قبل المنظمات والهيئات العالمية المختصة في تسجيل المبيد أو ثبت للوزارة تدهور المبيد أثناء فترة صلاحيته تحت الظروف البيئية للدولة أو ثبت أن لديه آثار جانبية ضارة

سددت الرسوم 3063.06 درهم

رقم إيصال الشهادة : 180026380902

تاريخ إيصال الشهادة : 03-04-2018

مدير إدارة الشؤون البلدية



AUD-AD-140-2163

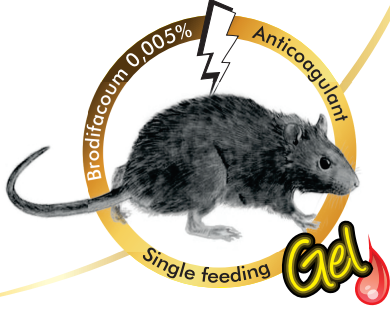
راتاكويل

RATAQUILL®

GEL جل

**KILLS RATS &
HOUSE MICE**

**يقضي على الجرذان
والفئران المنزلية**



نوع التجهيزة ونسبة المواد الفعالة:

ACTIVE INGREDIENT	المادة الفعالة	
Brodifacoum.....	بروديفاكوم	0.05g/kg
3-[3-(4-(4-bromophenyl)phenyl)-1,2,3,4-tetrahydronaphthalen-1-yl]-4-hydroxychromen-2-one		
Denatonium Benzoate.....	بنزوات ديناتونيوم	0.01g/kg
INERT INGREDIENTS.....	المواد الخاملة	C.S.P 1 kg

اقرأ هذا الملصق بالكامل قبل استخدام المنتج واتبع كافة تحذيرات الاستخدام
Read this entire label before use the product and follow all use precautions.

رقم تسجيل المبيد بوزارة التغير المناخي والبيئة:
MOCCA Registration Number:
AUD-AD-140-2163

✗ Harmful
ضار

MINAGRO

الشركة المصنعة:
Minagro Industria Quimica Limit
Carrera 16 # 10 - 42
minagro@minagroindustry.com
Bogotá D.C, Colombia

Sherwood

الموزع المحلي:
Local Distributor:
شيروود الشرق الأوسط
SHERWOOD MIDDLE EAST
Tel.: +971 2 6718812, Fax: +971 2 6718813

NET WEIGHT:
100g

تحذير - يحفظ بعيداً عن متناول الأطفال
CAUTION - KEEP OUT OF REACH OF CHILDREN

طريقة الاستخدام:

نوعى الاستعمال: التاكوييل جل جاهز للاستخدام الجبل الثاني من الطعم المضاد للتخثر لمكافحة القوارض، المكون النشط للتغذية المعزدة، بروفيناكوم بتركيز 0.005%، والذي يكافئ أي نوع من أنواع القوارض. ويتميز راتاكويل جل في توفير الكفاءة المميزة للقوارض تحت الظروف الجافة مثلًا في مخازن المواد الغذائية.

اختيار مناطق المعالجة: حدد المناطق التي من المرجح أن تجد فيها الجرذان والقوارض المزعجة بشكل عام، تكون هذه المناطق على طول الجدران، من خلال فتحات الجدران، والزوايا والأماكن غير الظاهرة، بين الأسطح والجدران، أو في الأماكن التي تم مشاهدة القوارض فيها أو علامات تواجدها، قم بحماية الطعم من المطر والتلويح. قم بإزالة قدر من الغذاء البديل قدر الإمكان.

استعداد الطعم الملوث أو الفاسد على الفور. وقم باستخدام قفازات مضادة للماء واجمع وتخلص من جميع الحيوانات الميتة والمكتوفة والطعم المتبقي.

لمنع إعادة الإصابة، قم بالحد من مصادر طعام القوارض والماء والمأوى قدر الإمكان. وفي حالة حدوث إصابة، كرر العلاج. وفي حالة وجود مصدر مستمر للإصابة، قم بإنشاء محطات طعم دائمة وتجديدها حسب الحاجة.

DIRECTIONS FOR USE:

APPLICATION DIRECTIONS:

Rataquill Gel is a ready to use second-generation anticoagulant rodenticide bait, single feeding active ingredient, Brodifacoum, at a concentration of 0.005%, which controls any type of pest rodents. Rataquill Gel gives outstanding rodent control under dry conditions such as in food storage warehouses.

SELECTION OF TREATMENT AREAS:

Determine areas where rats and mice, will most likely find and consume the bait.

Generally, these areas are along walls, by gnawed openings, in corners and concealed places, between floors and walls, or in locations where rodents or their signs have been seen. Protect bait from rain and snow. Remove as much alternative food as possible.

Replace contaminated or spoiled bait immediately. Using waterproof gloves collect and dispose of all dead, exposed animals and leftover bait. To prevent re infestation, limit sources of rodent food, water, and harborage as much as possible. If re infestation does occur, repeat treatment. Where a continuous source of infestation is present, establish permanent bait stations and replenish as needed.

الاستخدام:

Uses:

Situation	Rate	Critical Comments	معلومات هامة	معدل الاستعداد	حالات الاستخدام
Norway rat, Roof rat, House mice	Apply 10g to 50g of gel for each bait stations every 5 to 10 meters along room margins, corners, burrows	Preferably apply the Gel directly into suitably equipped bait stations or prepare the mix content according to the dilution ratio 1:1 (1g of Gel mixed with 1ml of water)	تعليمات هامة قبل استخدام عمل مباشرة في محطات الطعم المجهزة بشكل مناسب أو إعداد محتوى المزيج وفقاً لنسبة التخفيف 1:1 (1 غ من الطعم مزوج مع 1 مل من الماء)	استخدم كمية من 10 غ إلى 50 غ من الجبل لكل محطة طعم لسبعة قوارض من 5 أمتار إلى 10 أمتار على طول الجوف والجدران والمخجور.	العود البرونزي، جرد الأبيض، القوارض العنبرية
Rice rat, Marsh rat, Short-tailed cane mouse and Cotton rat	Apply 1 - 3 Kg of gel per hectare using bait stations.			استخدم كمية من 1 إلى 3 كغ من الجبل لكل هكتار في محطات الطعم	جرذ الأرز وجرذ الأرز الشنشي وقران القصب هيسورة القير وقران القطن

PRECAUTIONARY STATEMENTS:

Read this entire label before use the product and follow all use precautions. Keep away from children, domestic animals and pets. Do not place near or inside ventilation duct openings. Do not get in eyes, on skin, or on clothing.

All Applicators must wear waterproof gloves. Do not use Rataquill Gel in any area where there is a possibility of contaminating food or surfaces that come in direct contact with food.

SAFETY DIRECTIONS:

Do not expose children, pets, or nontarget animals to rodenticides. When the product is being used in public areas and tamper resistant bait stations are not used, the areas treated must be marked and a notice explaining the risk of primary or secondary poisoning by the anticoagulant as well as indicating the first aid measures. Resistant bait stations are used, clearly marked to show that they contain rodenticides and that they should not be disturbed.

FIRST AID:

HAVE LABEL WHEN OBTAINING TREATMENT ADVICE

IF SWALLOWED: Call a doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a doctor for treatment advice.

STORAGE AND DISPOSAL:

Pesticide Storage: Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

Pesticide Disposal:

Dispose of wastes resulting from the use of this product at an approved waste disposal facility or call your local solid waste agency for alternative disposal instructions. Never dispose of unused product down any indoor or outdoor drain. Container Handling (pail; pouch; and outer box): Non-refillable container. Do not reuse or refill this container. When completely empty, offer for recycling if available, or dispose of empty container in a sanitary land fill, or by incineration, or, if allowed by local authorities, by burning. If burned, stay out of smoke.

Warranty: The manufacturer warrants that the chemical and physical specifications of this pesticide are maintained in its original packaging in normal storage throughout its validity period under the conditions of the United Arab Emirates and according to the method of storage referred to. The manufacturer is not responsible for any incident that may occur due to incorrect storing, using, and mixing or non-compliance with technical instructions.

الضمان: تضمن الشركة المنتجة ثبات المواصفات الكيميائية والفيزيائية لهذا المبيد وسلامته في عيونه الأصلية في التخزين العادي طيلة فترة صلاحيته تحت ظروف دولة الإمارات العربية المتحدة وحسب طريقة التخزين المشار إليها. الشركة المنتجة ليست مسؤولة عن أي حادث قد يحدث بسبب سوء التخزين أو استخدام أو خلط غير صحيح، أو بسبب عدم الامتثال للتعليمات التقنية.

Date of Manufacture:

Expiry Date:

Batch No.:

تاريخ الإنتاج:

تاريخ الانتهاء:

رقم التشغيل:



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	RATAQUILL® Rodenticide Gel Bait (<i>Brodifacoum 0.005%</i>)
Other Names:	Rodenticide Brodifacoum Gel to control rats and mice in Agriculture, Livestock, Public Health and Household use.
Recommended Use:	Rodenticide
Company Details:	Minagro Industria Quimica Limited NIT 860.517.485
Address:	CR 16 # 10 – 42 Barrio Voto Nacional Bogotá D.C, Colombia, South America
Telephone Number:	(+57 1) 336-1021 (+57) 311 237-9322
Emergency Telephone Number:	01 8000 511-414 Bogotá D.C, Colombia

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification:	In Colombia, according to <i>MINISTERIO DE SALUD Y PROTECCIÓN SOCIAL</i> , Rataquill® is classified as a high-risk product (Toxicological Category I - Extremely Toxic) due to the technical ingredient Brodifacoum 98%. However, the final product, doesn't represent any risk if it is handle correctly according with usage instructions PLEASE REFER YOUR LOCAL LAW OR INSTITUTION IN CHARGE.
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Risk Phrases: -

Safety Phrases: Keep out of reach of children. Read label before use. Keep away from food, drink and animal feeding stuffs. Do not get in eyes, on skin, or on clothing.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

SUBSTANCE

Chemical Identity of pure Substance: Brodifacoum 3-(3-(4'-(Bromo-(1,1-biphenyl)-4-yl)-1,2,4,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin

Synonym: Bromfenacoum C₃₁H₂₃BrO₃

CAS Number: 56073-10-0

SECTION 3.1: MIXTURE

Chemical Identity of Ingredients

Chemical Identity	CAS No	Proportion (%)
Brodifacoum	56073-10-0	0.005
Denatonium Benzoate	3734-33-6	0.001
Other ingredients determined not to be hazardous	-	99.994

SECTION 4: FIRST AID MEASURES

Description of necessary First Aid Measures:

In case of poisoning by any exposure route get to a doctor or hospital quickly. YOU MUST HAVE THE PRODUCT LABEL OR SDS WITH YOU WHEN CALLING OR GOING FOR TREATMENT. Vitamin K1 (Phytomenadione) is antidotal.

✓ **INGESTION:**

HUMANS:

Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice



DOMESTIC ANIMALS:

If severe signs of poisoning, immediately transport to veterinarian. For early signs of poisoning, transport to veterinarian. No signs but suspected bait consumption, induce vomiting only if ingestion is recent (less than six hours). Make up a solution of salty water (2-3 tablespoons salt in a cup of water), place in a soft drink bottle and squirt down animal's throat. Vomiting should take place in approximately 10 minutes. Seek veterinarian's advice.

✓ *EYE CONTACT:*

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

✓ *SKIN CONTACT:*

Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

✓ *INHALATION:*

Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician or Poison Information Centre immediately.

Poisoning Symptoms:

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled and overexposure occurs are:

✓ *Mild Exposure:*

Reduction in the clotting power of blood, detectable only by a laboratory analysis.

✓ *Moderate Exposure:*

Symptoms include bleeding gums, increased tendency to bruise, blood in faeces and urine or excessive bleeding from minor cuts or abrasions.

✓ *Severe Exposure:*

Severe gastrointestinal bleeding, massive internal bleeding resulting in shock, coma and death in very severe cases.

SECTION 4.1: MEDICAL ADVICE

NOTE TO PHYSICIANS AND VETERINARIANS:

Brodifacoum, the active constituent of Rataquill®, is a long lasting anticoagulant chemical, which if ingested by humans, domestic animals or pets, can reduce the clotting power of the blood and



hemorrhage may result. Vitamin K1 (Phytomenadione) should be administered urgently by medical, appropriate para-medical personnel or veterinarians. If administered intravenously the injection must be given slowly.

This product contains anticoagulants with an effect similar to warfarin in that they act by interfering with the synthesis of prothrombin. HUMANS: The specific measure of effect is the prothrombin time. Note: this may not become prolonged until 12-18 hours after ingestion. The specific antidote is vitamin K1 (Phytomenandione). Antidote must be administered under medical supervision.

Initially, antidote should be given by injection (10-20 mg, or 0.25 mg/kg for children, by slow intravenous infusion at a rate not exceeding 1mg/minute.

In severe cases the use of fresh frozen plasma may be required). Maintenance treatment is given orally (40 mg/day in divided doses for adults; up to 20 mg/day in divided doses for children). The prothrombin time and the hemoglobin should be monitored. Patients should be kept under medical supervision until the prothrombin time has been normal for 3 consecutive days.

SECTION 4.2: DOMESTIC ANIMALS EXHIBITING SIGNS OF INTOXICATION

- ✓ Carry out a prothrombin test. Administer parentally 2-5mg/kg of Vitamin K1. Use the smallest diameter needle feasible and avoid the intravenous route in severely hemorrhagic animals.
- ✓ Repeat prothrombin test about four hours after injection. Provided that the prothrombin time has normalized start daily oral vitamin K1 treatment and continue for three to four weeks.
- ✓ Carry out a prothrombin test 24-48 hours after end of treatment.
- ✓ Continue treatment if signs of poisoning reappear or if prothrombin time is still abnormal.

SECTION 4.2: DOMESTIC ANIMALS SUSPECTED OF CONSUMING BAIT

- ✓ Test prothrombin time daily for up to three days after suspected date of ingestion.
- ✓ Treat with Vitamin K1 if signs of poisoning appear or if prothrombin time increases.
- ✓ Prophylactic oral Vitamin K1 treatment could be carried out.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media:

- ✓ **Small Fires:** Use water spray, alcohol resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream as it may scatter and spread fire.
- ✓ **Large Fires:** Use alcohol resistant foam or water spray. Do not use a solid water stream as it may scatter and spread fire.



Hazards from combustion products:

As the product contains combustible organic components, fire will produce white smoke. Combustion or thermal decomposition will evolve toxic and irritant vapors. Exposure to decomposition products may be a hazard to health.

Special protective precautions and equipment for fire fighters:

Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

In case of spillage it is important to take all steps necessary to avoid eye and skin contact. AVOID CONTAMINATION OF WATERWAYS.

Methods and materials for containment and clean up:

1. Keep all bystanders away
2. Wear full length clothing and PVC gloves
3. Reposition any leaking containers so as to minimize leakage
4. Sweep spilt material into a pile
5. Shovel into drums
6. Disposal of the material will depend upon the extent of the spill
 - ✓ For quantities up to 50 kg of product bury in a secure landfill site
 - ✓ For quantities greater than 50 kg seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established
7. Decontaminate spill area with detergent and water and rinse with the smallest volume of water practicable.

SECTION 7: HANDLING AND STORAGE

Conditions for safe storage:

Containers which have held bait should not be used for any other purpose. Store in tightly sealed original containers in a dry secure place away from fertilizers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorized persons and animals.

DO NOT STORAGE THIS PRODUCT WITH OTHERS PESTICIDES

This material and its container must be disposed of safely. Dispose of packaging, remains of unused product and dead rodents in accordance with local regulations. If required, consult a professional waste operator or local authority.



SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet.

Do not inhale dust. Do not touch the bait, use scoop or measure. If on skin and after each baiting, wash thoroughly with soap and water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gel red bait (Semi Solid)	Boiling Point	100° C
Odor:	Light smell of Vanilla	Melting Point	Not applicable
pH:	Neutral	Solubility:	Soluble in water
Vapor Pressure:	Not applicable	Density:	1.04g/mL
Vapor Density:	Not applicable	Flash Point:	Not applicable
Explosive Properties:	Not explosive	Oxidizing Properties:	Not oxidizing
Flammable:	Not applicable	Combustibility:	Not applicable
Ignition Temperature:	Not applicable	Corrosiveness:	Not corrosive

SECTION 10: STABILITY AND REACTIVITY

Chemical stability:	Stable under standard conditions.
Conditions to avoid:	Not available.
Incompatible Materials:	DO NOT USE WITH OTHERS PESTICIDES WHILE USING THIS PRODUCT
Hazard decomposition products:	Combustion or thermal decomposition will evolve toxic and irritant vapors.
Hazardous reactions:	Unknown.

SECTION 11: TOXICOLOGICAL INFORMATION

Health effects from likely routes of exposure:

Acute:

- ✓ *Oral Toxicity:* Acute toxicity estimate rat > 5.000 mg/Kg
- ✓ *Dermal Toxicity:* LD50 rabbit > 2.000 mg/Kg

Skin corrosion/irritation:

- ✓ Rabbit non irritating



Serious eye damage/eye irritation:

- ✓ Rabbit slight

Brodifacoum technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence was obtained of mutagenic, carcinogenic, teratogenic neurotoxic or reproductive effects.

Excessive exposure slows blood clotting time and can cause bleeding, shock and death.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish:

- ✓ LC50 *Oncorhynchus mykiss* (rainbow trout) > 1.000 mg/L, 96 h

Toxicity to aquatic invertebrates

- ✓ EC50 *Daphnia magna* (Water flea) > 1.000 mg/L

Persistence and degradability

Stability in water

- ✓ Brodifacoum degradation half-life ca. 300 d. Persistent in water.

Stability in soil

- ✓ Brodifacoum degradation half-life 157 d. Not persistent in soil.

Bioaccumulative potential

- ✓ Brodifacoum has not high potential to bio accumulate.

Mobility in soil

- ✓ Brodifacoum has low mobility in soil

Other adverse effects

- ✓ None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product:

- ✓ Do not contaminate ponds, waterways or ditches with chemical or used container.
- ✓ Do not dispose of waste into sewer.



✓ Where possible recycling is preferred to disposal or incineration.

✓ If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging:

- ✓ Empty remaining contents.
- ✓ Triple rinse containers.
- ✓ Empty containers should be taken to an approved waste handling site for recycling or disposal.
- ✓ Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

- ✓ *UN number:* NOT APPLICABLE
- ✓ *UN proper shipping name:* NOT APPLICABLE
- ✓ *Transport hazard class(es):* NOT APPLICABLE
- ✓ *Packing group:* NOT APPLICABLE
- ✓ *Environmental hazards:* NOT APPLICABLE

Sea transport (IMDG)

- ✓ *UN number:* NOT APPLICABLE
- ✓ *UN proper shipping name:* NOT APPLICABLE
- ✓ *Transport hazard class(es):* NOT APPLICABLE
- ✓ *Packing group:* NOT APPLICABLE
- ✓ *Environmental hazards:* NOT APPLICABLE

Air transport (IATA-DGR)

- ✓ *UN number:* NOT APPLICABLE
- ✓ *UN proper shipping name:* NOT APPLICABLE
- ✓ *Transport hazard class(es):* NOT APPLICABLE
- ✓ *Packing group:* NOT APPLICABLE
- ✓ *Environmental hazards:* NOT APPLICABLE

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.



MINAGRO INDUSTRIA QUIMICA
LIMITED

Rataquill® Gel Rodenticide

www.minagroindustry.com

Date of Issue:
January 2018

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Product names are a trademark or registered trademark of a Minagro Industria Química Limited.

Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions
