

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

440975 301/17

Ms. Nancy Lockrath
ZENECA Ag Products
P.O. Box 751
Wilmington, DE 19897

JUN 03 1993

Dear Ms. Bockrath:

Subject: BRODIFACOU M TECHNICAL
EPA Registration No. 10182-29
Your Submission Dated May 14, 1993

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, providing that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before releasing the product for shipment bearing the amended labeling:
 - a. Add the following sentence as the first sentence under "STORAGE:":

"Store in a locked storage area."
 - b. Under "CONTAINER DISPOSAL" for "Plastic Bags:", change ". . . by incineration or if allowed . . ." to ". . . by incineration, or, if allowed . . .".
3. Submit one copy of final printed labeling before you release the product for shipment.

This registration will be subject to cancellation in accordance with FIFRA sec. 6(e) if you do not comply with these conditions. Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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2.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

BRODIFACOUM TECHNICAL

For formulation only into registered end-use rodenticides
used in and around buildings and transport vehicles, and in sewers

ACTIVE INGREDIENT:

Brodifacoum

3-[3-(4'-bromo[1,1'-biphenyl]4-yl)-1,2,3,4-tetra-hydro-1-naphthaleny]4-hydroxy-2H-1-benzopyran-2-one 90.00%

INERT INGREDIENTS 10.00%

TOTAL 100.00%

EPA Reg. No. 10182-29
EPA Est. No.

Net Contents:

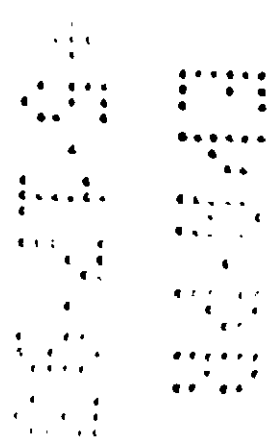
KEEP OUT OF REACH OF CHILDREN

X O DANGER POISON

ZENECA Professional Products
ZENECA Inc.
Wilmington, DE 19897

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN 03 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-29



STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Remove contaminated protective equipment and clothing. Discard or decontaminate before reuse. Consult medical personnel.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF INHALED: Remove to fresh air. Get medical attention.

NOTE TO PHYSICIAN: This product may reduce the clotting ability of the blood and cause hemorrhaging. If poisoning occurs, intramuscular and oral administration of Vitamin K₁ are indicated, as in poisoning from overdose of bishydroxy coumarin. For human cases, Vitamin K₁ is antidotal at doses of 10-20 mg (not mg/kg). For animal cases, Vitamin K₁ is antidotal at 2-5 mg/kg. Repeated doses may need to be given up to two weeks (based on monitoring of prothrombin time). In severe cases, blood transfusions may be necessary.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633)

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Handle with extreme caution. Wear a full-face, air-supplied respirator; protective head, food and body covering; rubber boots and rubber gloves. Wash thoroughly with soap and water after handling and before eating or smoking. If consumed by humans, call a physician at once. Contact a physician or poison control center in all cases of suspected poisoning.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

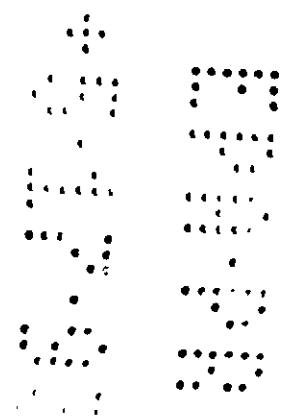
In case of significant spill, call CHEMTREC (800)424-9300.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Formulators using this product are responsible for obtaining EPA registration for their formulated product.

Only for formulation into a rodenticide for:

1. Control of Norway rats, roof rats, and house mice in and around homes, industrial, commercial, and agricultural buildings, public buildings, similar man-made structures, sewers, and in and around transport vehicles (boats, ships, trains) and related port or terminal buildings;
2. Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
3. Uses for experimental purposes that are in compliance with USEPA requirements.



STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container.

STORAGE: Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Metal Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Plastic Bags: Completely empty bag into equipment; then dispose of empty bag in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: Read the Entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

