



04/12

# RODENTHOR SOFT BAIT

**Kills mice and rats**

**KILLS RATS AND MICE  
KILLS WARFARIN RESISTANT NORWAY RATS**

**ACTIVE INGREDIENT:**

Bromadiolone (CAS #28772-56-7):..... 0.005%

**OTHER INGREDIENTS\***:..... 99.995%

Total 100.000%

*\*Contains Denatonium Benzoate*

**EPA Reg. No. 82744-2-81824**

**EPA Est. No. 82744-SLO-001**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**Net Weight: 18 lbs.**

**Manufactured For:  
Ensystem II Inc.**

2175 Village Dr., Fayetteville, NC 28304

**FIRST AID**

Have label with you when obtaining treatment advice.

**If swallowed**

- Call a poison control center, doctor, or 1-800-222-1222 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 poison control center or doctor.

**If on skin or clothing**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center, doctor, or 1-800-222-1222 immediately 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 poison control center, doctor, or 1-800-222-1222 immediately for treatment advice.

**NOTE TO PHYSICIAN**

If swallowed, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer Vitamin K1 intramuscularly or orally. Repeat as necessary based on monitoring of prothrombin times.

**TREATMENT FOR PET POISONING**

If animal eats bait, call veterinarian at once.

**NOTE TO VETERINARIAN**

Anticoagulant Bromadiolone: For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K1. If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ THIS LABEL:** Read this entire label and follow all use directions and use precautions. Use only for the sites, pests, and application methods described on this label.

**IMPORTANT:** Do not expose children, pets, or nontarget animals to rodenticides. To help to prevent accidents:

1. Store unused product out of reach of children and pets.
2. Apply bait in locations out of reach of children, pets, domestic animals and nontarget wildlife, or in tamper-resistant bait stations. These stations must be resistant to destruction by dogs and by children under six years of age, and must be used in a manner that prevents such children from reaching into bait compartments and obtaining bait. If bait can be shaken from bait stations when they are lifted, units must be secured or otherwise immobilized. Even stronger bait stations are needed in areas open to hoofed livestock, raccoons, bears, or other potentially destructive animals, or in areas prone to vandalism.
3. Dispose of product container and unused, spoiled, or unconsumed bait as specified on this label.

Bait stations are mandatory for outdoor, above-ground use. Tamper-resistant bait stations must be used if children, pets, non-target mammals, or birds may access the bait.

**USE RESTRICTIONS:** This product can only be used to control Norway rats, roof rats, and house mice in and within 100 feet of man-made structures constructed in a manner so as to be vulnerable to commensal rodent invasions and/or to harboring or attracting rodent infestations. Examples of such structures include homes and other permanent or temporary residences, food processing facilities, industrial and commercial buildings, trash receptacles, agricultural and public buildings, transport vehicles (ships, trains, aircraft), docks and port of terminal buildings and related structures around and associated with these sites. Fence and perimeter baiting, beyond 100 feet from a structure as defined above, is prohibited. This product must not be applied directly to food or feed crops. Do not place near or inside ventilation duct openings. Do not contaminate water, food, feedstuffs, food or feed handling equipment, or milk or meat handling equipment or surfaces that come into direct contact with food. When used in USDA inspected facilities, this product must be applied in tamper-resistant bait stations. Burrow baiting with Ratimor Soft Bait is prohibited.

**SELECTION OF TREATMENT AREAS:** After removing as much food, water and harborage as possible, determine dry areas where rats and mice will most likely find and consume the bait. Generally, these areas are along walls, by gnawed openings, beside burrows, in corners and concealed places, between floors and walls, or in locations where signs of rats or house mice have been seen. Protect bait from rain and snow.

**APPLICATION DIRECTIONS:** Each bag of **RODENTHOR Soft Bait** contains approximately 0.38 ounces (10.75 grams) of bait.

**Norway Rats and Roof Rats:** Apply 10 to 42 bait bags per placement for controlling rats. Space placements 15 to 30 feet apart at appropriate locations within the infested area. Maintain a continuous supply of fresh bait for at least 10 days or until signs of new feeding by rats on bait cease to appear.

**House Mice:** Apply 1 bait bag per placement, usually spaced 8 to 12 feet apart. Two bags may be needed at points of very high mouse activity. Maintain a constant supply of fresh bait for 15 days or until signs of mouse activity cease.

**Follow-up:** While wearing gloves, replace contaminated or spoiled bait immediately. Collect and properly dispose of dead animals and leftover bait and bait bags, as well as any bait that has become accessible to non-target animals. To discourage re-infestation, limit sources of rodent food, water, and harborage as much as possible. If re-infestation does occur, repeat treatment. For continuous sources of infestation, set up permanent bait stations and replenish them as needed.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through the skin. Keep away from children, domestic animals and pets. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. All handlers (including applicators) must wear shoes plus socks, and chemical resistant gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

### User Safety Requirements

Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet and change into clean clothing.

### Environmental Hazards

This product is extremely toxic to mammals and birds. Dogs, cats, and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. This pesticide is toxic to fish. Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may also be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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:** Wastes resulting from the use of this product may be placed in trash or delivered to an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent), then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration. In most states, burning is not allowed.

**WARRANTY:** To the extent consistent with applicable law, seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

04/12

# Material Safety Data Sheet

## RODENTHOR SOFT BAIT

Transportation Emergency Phone 1-800-424-9300 (Chemtrec)  
Medical Emergency Phone 1-800-369-4352 (ProSAR)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** RODENTHOR SOFT BAIT

**CHEMICAL NAME:** Bromadiolone

**COMPANY:** Ensysstex II, Inc.

**ADDRESS:** 2713 Breezewood Ave., Fayetteville, NC 28303

**DAYTIME PHONE:** 1-866-367-8467 (1-866-FOR-THOR)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Bromadiolone 0.005% CAS# 28772 - 56 - 7

Denatonium benzoate 0.001% CAS# 3734 - 33 - 6

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** May be harmful if swallowed or absorbed through the skin, because this material may reduce the clotting ability of the blood and cause bleeding.

**Acute Effects** (Signs and Symptoms of Overexposure):

**Eyes:** May cause temporary eye irritation.

**Skin:** May be harmful if absorbed through skin. Symptoms of toxicity include lethargy, loss of appetite, reduced blood clotting ability and bleeding.

**Inhalation:** Due to this product's solid form, inhalation is unlikely.

**Ingestion:** May be harmful if swallowed. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood, and bleeding.

**Chronic Effects:** Prolonged and/or repeated exposure to small amounts of product can produce cumulative toxicity. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood, and bleeding.

**Medical Conditions Aggravated by Exposure:** Bleeding disorders

**Target Organs:** Blood

**Carcinogenicity:** Contains no known or suspected carcinogens.

### 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-369-4352 for emergency medical treatment information.

**EYE CONTACT:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call poison control center or doctor immediately for treatment advice. Wash out mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

**ADVICE FOR PHYSICIANS:** Bromadiolone is an indirect anticoagulant. Phytomenadione, Vitamin K1, is antidote. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalises. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

### 5. FIRE FIGHTING MEASURES

Material is non-flammable but will burn if ignited.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, dry chemical, foam, water spray, mist or foam.

**FIRE FIGHTING INSTRUCTIONS:** In the event of fire, wear self-contained breathing apparatus. Keep out of smoke. Do not breathe fumes as the product emits toxic and irritating fumes. Fight fire from an upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and

contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal protection:** Wear protective equipment. (Figure 8)

**Large Spill/Leak Procedures:** Isolate and contain spill. Limit access to the spill area to necessary personnel. Do not allow spilled material to enter sewers, streams or other waters. Scoop up spilled material and place in a closed, labeled container for use or disposal.

**Small Spills:** Scoop up material for use according to label instructions.

**Environment precautions:** Sweep into a suitable container and store material collected.

### 7. HANDLING AND STORAGE

**Storage Requirements:** Store in original container in a cool, dry area out of reach of children, pets and domestic animals. Do not contaminate water, food or feed. Keep container tightly closed. Do not remove or destroy the product label.

**Handling Precautions:** Read the entire product label before using this rodenticide. Carefully follow all cautions, directions and use restrictions on the label. Avoid contact with eyes, skin or clothing.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**HAND PROTECTION:** Wear suitable gloves when handling bait and animals killed by bait.

**SKIN PROTECTION:** Wear suitable clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Red soft mass.

**FLAMMABILITY:** none

**SELFIGNITION:** none

**EXPLOSIVE:** none

**OXIDIZER:** none

**WATER SOLUBILITY:** practically insoluble (19 mg/L @20°C bromadiolone)

**VAPOR PRESSURE:** (2 X10<sup>6</sup> Pa -6 @20°C bromadiolone)

**PARTITION COEFFICIENT:** n-octanol/water (log Kow=7.3 – bromadiolone)

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions. Avoid high temperatures and strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** If involved in a fire, toxic gases, toxic dust and smoke may be generated.

### 11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL TOXICITY:**

LD50 (rat) = 1.125 mg/kg (WHO)

LD50 (rat) = 22,500 mg/kg – for bait

LD50 (mouse) = 1.75 mg/kg

**DERMAL TOXICITY:** LD50 (rat) = 2.1 mg/kg (WHO)

**ACUTE INHALATION TOXICITY:** LC50 (4h, rat) = 5.0 – 19.3 mg/m3

**IRRITATION POTENTIAL:**

**SENSITIZATION:** Unknown

**DERMAL:** Non-irritating

**EYES:** Slight irritation (rabbits)

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL PRECAUTIONS:** This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not dispose in sewers and waterways.

**ECOTOXICITY:**

Fish: LC50 (96 hours, different species) = 1.4 – 3.5 mg/L.

Avian: LC50 = 0.264 mg/kg

**MOBILITY:** KOC = 528; classification: immobile (Technical report n.14/07/1997 Chemservice)

**PERSISTENCE AND DEGRADABILITY:** DT50 (soil) = 1.8 – 7.4 days

**BIOACCUMULATIVE POTENTIAL:** Log Pow: 3.5 (Studio CH-14/96-B Chemservice)

### 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal. Dispose of container in accordance with all federal, state and local regulations.

**GENERAL DISPOSAL GUIDANCE:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Empty container by using the product according to the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations.

### 14. TRANSPORT INFORMATION

This product is not regulated by the U.S. Department of Transportation for any mode of transport.

Revised 09/11

