

## PRECAUTIONARY STATEMENTS

### Hazard to Humans and Domestic Animals

#### CAUTION:

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Keep away from children, domestic animals and pets. All handlers (including applicators) must wear long pants, shoes, socks, and waterproof gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

**User Safety Requirements:** Follow manufacturer's instructions 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. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

**FIRST AID:** Have this label with you when obtaining treatment advice.

**If swallowed:** Call a poison control center or 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 poison control center or doctor.

**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 or doctor immediately for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin with plenty of cool water for 15-20 minutes. Call a poison control center or doctor immediately for treatment advice.

**TREATMENT FOR PET POISONING:** If animal eats bait, call veterinarian at once.

**NOTE TO PHYSICIAN OR VETERINARIAN:** Contains the nerve poison bromethalin. This is not an anticoagulant type rodenticide. For humans or animals ingesting bait and/or showing obvious poisoning symptoms (muscle tremors, loss of hind limb use, or seizures) limit absorption by emesis or gastric lavage. Sublethal symptoms, if present, result from cerebral edema and should be treated accordingly with osmotic diuretic and corticosteroid.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, dry place inaccessible to children and pets.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of in trash or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty container then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.

**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. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

EPA Reg. No. 7173-304  
EPA Est. No. 7173-WI-1



# SOFT BAIT

## FOR INDOOR AND OUTDOOR USE

**KILLS NORWAY RATS, ROOF RATS, HOUSE MICE, AND ANTICOAGULANT-RESISTANT RATS AND HOUSE MICE**

**KILLS OTHER RODENT SPECIES AS LISTED ON THIS LABEL**

**NORWAY RATS AND HOUSE MICE MAY CONSUME A LETHAL DOSE IN ONE NIGHT'S FEEDING BUT IT MAY TAKE TWO OR MORE DAYS FROM TIME OF BAIT CONSUMPTION FOR THEM TO DIE**

**DUE TO STOP FEED ACTION, RODENTS TYPICALLY FEED LESS OR CEASE FEEDING ALTOGETHER AFTER CONSUMING A TOXIC DOSE**

Active Ingredient: bromethalin . . . . . 0.01%  
Inert Ingredients . . . . . 99.99%  
Total . . . . . 100.0000%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See side panel for additional precautionary statements.

## DIRECTIONS FOR USE

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

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

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

1. Store product not in use in a location 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 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 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, other potentially destructive animals, or in areas prone to vandalism.
3. Dispose of product container, unused, spoiled, and unconsumed bait as specified on this label.

**Note:** 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, house mice, Cotton rat\* (*Sigmodon hispidus*), Eastern harvest mouse\* (*Reithrodontomys humuli*), Golden mouse\* (*Ochrotomys nuttalli*), Polynesian rat\* (*Rattus exulans*), Meadow vole\* (*Microtus pennsylvanicus*), White-throated woodrat\* (*Neotoma albigula*), Southern plains woodrat\* (*Neotoma micropus*) and Mexican woodrat\* (*Neotoma mexicana*) 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 or 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. Do not sell this product in individual containers holding less than 4 pounds of bait. 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. Do not apply directly to food or feed crops. Do not broadcast bait. Burrow baiting with this product is prohibited. \*Not permitted for use against the following species in California: Cotton rat, Eastern harvest mouse, Golden mouse, Polynesian rat, Meadow vole, White-throated woodrat, Southern plains woodrat, and Mexican woodrat.

**Selection of Treatment Areas:** Determine areas where rats and/or house mice will most likely find and consume bait. Generally, these are along walls, by gnawed openings, in corners and concealed places, between floors or walls, beside burrows, or in locations where rats and/or house mice or their signs have been observed. Remove as much alternative food as possible.

**APPLICATION DIRECTIONS:** The active ingredient in this product is different from anticoagulant rodenticides. Individual rats and mice typically feed less or cease feeding altogether after consuming a toxic dose.

Bait may be removed from pouch and placed in a feeding device that secures the unwrapped bait in a bait station. Discard empty wrapper in the trash.

**House Mice:** Apply 1 to 2 pouches per placement, usually spaced 8 to 12 feet apart. Up to 4 pouches may be needed at points of very high house mouse activity.

**Rats:** Apply 4 to 24 pouches per placement, usually spaced 15 to 30 feet apart. Adjust the amount of bait applied to the level of rat feeding expected at each bait placement.

**Baiting Strategy:** Highest bait consumption is expected to occur on the first day or two after treatment begins. After several days, inspect placement and replenish bait at sites where there is evidence of heavy feeding or where there is continued evidence of rodent activity. Normally, the volume of bait consumed will be significantly less with bromethalin baits than the anticoagulant baits. Although one night's feeding will usually provide a lethal dose, maintain bait for at least one week to provide all rodents a chance to feed on the bait. Continue baiting until all signs of feeding have ceased.

**Follow-up:** Replace contaminated or spoiled bait immediately. Wearing waterproof gloves, collect and dispose of all visible dead animals and leftover bait, as well as any bait that has become accessible to non-target animals. To discourage reinfestation, limit sources of rodent food, water and harborage as much as possible. If reinfestation does occur, repeat treatment. For a continuous infestation, set up permanent bait stations and replenish bait as needed. (030216)

**LIPHA**TECH<sup>®</sup>  
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3600 W. Elm Street  
Milwaukee, WI 53209  
(800) 351-1476

# SAFETY DATA SHEET

## Section 1: Identification

**Product identifier:** TakeDown Soft Bait  
**Other identifier(s):** EPA Registration Number 7173-304  
**Uses or restrictions:** Rodenticide with bromethalin

**Manufacturer:** Liphatech, Inc.  
3600 W. Elm Street, Milwaukee, WI 53209  
**Emergency phone:** 800-351-1476 Monday - Friday 8:00 am - 4:30 pm  
(US Central time zone)  
**After hours:** Call CHEMTREC at 1-800-424-9300

## Section 2: Hazard Identification

**Hazard classification:** Specific Target Organ Toxicity (Single exposure), Category 2. **Warning:** May cause damage to nervous system if swallowed, inhaled or absorbed through skin. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. If exposed or if you feel unwell, call a poison control center or doctor. Store locked up. Dispose of container and contents according to instructions on product label.



## Section 3: Composition / Information on Ingredients

**Hazardous ingredients:**  
Bromethalin (CAS registry no. 63333-35-7) ..... 0.01%

## Section 4: First Aid Measures

**Emergency overview:** Symptoms of toxicity include numbness, headache, confusion, personality change, incoordination, tremors, paralysis, convulsions, seizures, coma, difficulty with breathing. Handlers of this product should get medical attention if you experience any of these symptoms. Have the product label with you when obtaining treatment advice.

**If swallowed:** Call a poison control center or doctor. 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 inhaled:** Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration and call poison control or doctor.

**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 or doctor.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin with plenty of cool water for 15-20 minutes. Call a poison control center or doctor.

**Note to Physician:** This product is a nerve poison - it is NOT an anticoagulant. Limit absorption by emesis, followed by administration of activated charcoal, milk, beaten eggs or suspension of flour or starch. If person is not convulsing, gastric lavage may be done. Treat convulsions by standard therapy; diazepam, diphenylhydantoin and barbiturate have been shown to prolong survival in rats. Treatment of cerebral edema and increased cerebrospinal fluid pressure should be done in hospital with osmotic diuretic such as mannitol, corticosteroid therapy and furosemide.

## Section 5: Fire-fighting Measures

**Extinguishing media:** Use media suitable for the surrounding fire

**Specific fire or explosion hazards:** None known

**Special cautions for firefighters:** Wear self-contained breathing apparatus (full facepiece) & full protective clothing. Contain runoff to prevent pollution.

## Section 6: Accidental Release Measures

**Precautions, PPE and Procedures:** Wearing PPE as specified in Section 8, isolate and contain spill. Limit access to spill area to necessary personnel. Do not allow spilled material to enter sewers, streams or other waters.

**Methods and materials:** Scoop up spilled material and place in a closed, labeled container for use according to label instructions or disposal.

## Section 7: Handling and Storage

**Precautions for safe handling:** Read the entire product label before using this rodenticide. **Conditions for safe storage:** 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.

## Section 8: Exposure Controls / Personal Protection

**Established exposure limits:** Not applicable

**Appropriate engineering controls:** Special ventilation is not required for the normal handling and use of this product when following label instructions.

**Individual protection measures:** Wear long pants, shoes, socks and waterproof gloves when handling this product. Follow manufacturer's instructions for cleaning/maintaining PPE, or else wash with 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. Wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet, and change into clean clothing.

## Section 9: Physical and Chemical Properties

**Appearance:** Soft paste, purple color, raw grain odor. Odor threshold not determined.

**Water solubility:** Negligible

**pH:** Not applicable

**Relative density:** 1.25 g/cc

**Viscosity:** Not applicable

**% Volatile (volume):** Not applicable

**Evaporation rate:** Not applicable

**Vapor density:** Not applicable

**Vapor pressure:** Not applicable

**Boiling point:** Not determined

**Freezing point:** Not applicable

**Flash point (ASTM D92):** >150 °C

**Autoignition temp.:** Not determined

**Flammability:** Not a flammable solid

**Decomposition temp.:** Not determined

**Explosive limits - Lower limit:** Not applicable; **Upper limit:** Not applicable

**Partition coefficient (n-octanol/water):** Not applicable

## Section 10: Stability and Reactivity

**Reactivity:** Not reactive, not sensitive to shock or static discharge

**Chemical stability:** Stable

**Hazardous reactions:** None

**Incompatible materials:** None

**Conditions to avoid:** None

**Hazardous decomposition products:** Oxides of carbon

## Section 11: Toxicological Information

**Likely routes of exposure:** Ingestion, skin absorption.

**Symptoms of toxicity:** Numbness, headache, confusion, personality change, incoordination, tremors, paralysis, convulsions, seizures, coma, difficulty with breathing.

**Eye effects/eye irritation:** Mild, transient irritant

**Acute oral effects:** LD<sub>50</sub> (oral-rat): >5000 mg/kg

**Acute inhalation effects:** LC<sub>50</sub> (rat, 4 hour): 60 mg/L (extrapolated)

**Acute dermal effects:** LD<sub>50</sub> (dermal-rabbit): >2000 mg/kg

**Skin irritation:** Non-irritating

**Skin sensitization:** Not a skin sensitizer

**Carcinogenicity:** No ingredient listed by NTP, IARC or OSHA

## Section 12: Ecological Information

This product is extremely toxic to birds and mammals. Do not apply this product directly to water, where surface water is present or to intertidal areas below the mean high water mark. Carefully follow label cautions and directions to reduce hazards to children, pets and non-target wildlife.

## Section 13: Disposal Considerations

**Disposal:** Wastes resulting from the use of this product according to the label instructions must be disposed of as specified on the product label.

**RCRA waste status:** This product is not regulated as a hazardous waste under Federal law. State and local regulation may affect the disposal of this product. Consult your state or local environmental agency for disposal of waste generated other than by use according to label instructions.

## Section 14: Transport Information

**Transportation data (49 CFR):** This product is not regulated as a hazardous material for all modes of transportation within the U.S.

**Hazard Class, Packing Group and UN ID No.:** Not applicable

## Section 15: Regulatory Information

**TSCA:** All components of this product are listed on the TSCA inventory.

**SARA section 313:** Contains no reportable components.

**CA Proposition 65:** Contains no substances subject to Prop 65 requirements.

**FIFRA:** This product is registered as a pesticide with the Environmental Protection Agency. The label requirements under Federal pesticide law differ from the classification criteria and hazard information required by OSHA on this Safety Data Sheet. Read and follow all cautions, directions and use restrictions on the product label on the container.

## Section 16: Other Information

**Prepared by:** T. Schmit **Date:** 1 July 2016

This Safety Data Sheet is believed to be accurate at time of publication. No warranty, expressed or implied, is made with regard to this information. This information may not be adequate for every application, and the user must determine the suitability of this information due to the manner or conditions of use or storage, or local regulation.