

MATERIAL SAFETY DATA SHEET

Starbar Rodentex Rat & Mouse Bait Place Packs

Manufacturer: Wellmark International

Address: 1501 East Woodfield Road, Suite 200 West, Schaumburg, IL 60173

Emergency Phone: 1-888-914-2082

Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Starbar Rodentex Rat & Mouse Bait Place Packs

Chemical Name/Synonym: 3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one

Chemical Family: Coumarin

Formula: C₃₀H₂₃BrO₄

EPA Registration No.: 270-372-2724

RF Number: NA

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one	28772-56-7	0.005%	N/A
Other Ingredients		99.995%	N/A

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENTS
KEEP OUT OF THE REACH OF CHILDREN
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION
HARMFUL IF SWALLOWED. KEEP AWAY FROM CHILDREN, DOMESTIC ANIMALS AND PETS. ALL HANDLERS (INCLUDING APPLICATORS) MUST WEAR LONG-SLEEVED SHIRT AND LONG PANTS, AND SHOES PLUS SOCKS. ANY PERSON WHO RETRIEVES CARCASSES OR UNUSED BAIT FOLLOWING APPLICATION OF THIS PRODUCT MUST WEAR GLOVES.

Bromadiolone is an anticoagulant.

Symptoms of toxicity include lethargy, loss of appetite, and reduced clotting ability of blood.

PRIMARY ROUTE OF ENTRY **Dermal/Eye:** Yes **Oral:** No **Inhalation:** No

ACUTE TOXICITY **Oral:** Harmful if swallowed
 Dermal: May be harmful if absorbed through the skin
 Inhalation: No specific hazard identified

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Not an irritant
Eye Irritation: Mild eye irritant
Sensitizer: Not a skin sensitizer

4. FIRST AID MEASURES

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 by a poison control center or doctor.
- Do not give anything to an unconscious person.

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.

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.

5. FIRE FIGHTING MEASURES

NFPA Rating:	Health:	Fire:	Reactivity:
Flammability Class:	Solid chunks.		
Flash Point:	NA		
Explosive Limits (% of Volume):	Not available		
Extinguishing Media:	Water, foam, dry chemical, CO ₂		
Special Protective Equipment:	Firefighters should wear protective clothing, eye protection, and self contained breathing apparatus.		
Fire Fighting Procedures:	Do not allow run-off to enter waterways inhabited by aquatic organisms		
Combustion Products:	None known		
Unusual Fire/Explosion Hazards:	None known		

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken: Wearing appropriate protective equipment, sweep up material and place in a container for disposal. Do not allow spill to enter waterways or sewers.

Absorbents: Not necessary due to product form and packaging

Incompatibles: Alkaline materials

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes or clothing. 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.

Storage: Store in a cool, dry place. Do not contaminate food or feed by storage or disposal. Keep away from children, pets and domestic animals.

8. EXPOSURE CONTROL/PERSONAL MEASURES

Exposure Limits: Not available

Ventilation: Use with adequate ventilation.

Personal Protective Equipment: Avoid contact with skin, eyes and clothing. Use impermeable gloves and appropriate protective eyewear. All handlers (including applicators) must wear long-sleeved shirt and long pants and shoes plus socks. Any person who retrieves carcasses or unused bait following application of this product must wear gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Pellets

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A

Specific Gravity: N/A

Bulk Density: 0.66 g/cc

Solubility: N/A

Evaporation Rate: N/A

pH: N/A

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Non reactive

Incompatibility w/ Other N/A

Materials:

Decomposition Products: N/A

Hazardous Polymerization: N/A

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute oral toxicity: LD50 >5050 mg/kg

Acute dermal toxicity: LD50 >5050 mg/kg

Skin irritation: Not an irritant

Eye irritation: Mild transient irritant

Dermal Sensitization: Not a sensitizer

CHRONIC TOXICITY [Specific to Active Ingredient]

Target organ is liver. Prolonged and/or repeated exposure to small amounts of product can produce cumulative toxicity.

Carcinogenicity: Not listed by NTP, IARC or OSHA

12. ECOLOGICAL INFORMATION

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 also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

14. TRANSPORT INFORMATION

DOT49CFR Description: NOT APPLICABLE

Freight Classification: Insecticides NOI NMFC I-155050 SUB 4 CLASS 70

15. REGULATORY INFORMATION

CERCLA (Superfund): Not regulated

RCRA: Not regulated

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes

Delayed Health: Yes

Fire: No

Sudden Pressure: No

Reactivity: No

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.