



MATERIAL SAFETY DATA SHEET

PRODUCT: Rat-XB® (Meal Rodenticide)

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 15676, 15795

Code: 5385051, 5385061, 5385161

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

Synonyms: Bromadiolone

Chemical Family: Hydroxycoumarin

Product Use: Rodenticide

TDG Classification: Not Regulated

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Bromadiolone	0.005	28772-56-7	Oral, rat 1.125 Oral, Mouse 1.75 Oral, Dog 13	-
Calculated LD50 for the product			Rat 22,500	
Calculated LD50 for the product			Mouse 35,000	
Calculated LD50 for the product			Dog 260,000	

SECTION 3 - PHYSICAL DATA

Physical State: Solid

Specific Gravity: Not Applicable

Boiling Point: Not Applicable

Vapour Pressure: No Data

% Volatiles: No Data

Solubility in Water: 12 mg/L

Appearance/Odour: Light pink corn meal , no odor.

pH: No Data

Freezing/Melting Point: Not Applicable

Vapour Density: Not Applicable

Evaporation Rate: Not Applicable

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: Not Applicable

Fire Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide, Water Fog

Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off by diking.

Other Fire or Explosion Hazards: None known.

Autoignition Temperature: No Data

Upper Explosion Limit %: Not Applicable

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Exposure to UV light may cause this product to decompose. Extreme temperatures.

Incompatibility (Materials to Avoid): Alkalies.

Hazardous Decomposition Products: Carbon Dioxide and Carbon Monoxide.

Hazardous Polymerization: Will Not Occur

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: None likely to occur under normal usage. Bromadiolone is an anticoagulant which reduces the clotting ability of the blood and may cause bleeding in extreme cases.

Effects of Chronic Exposure: None known.

Other Health Effects: Main routes of entry are oral, inhalation and dermal. Notes to Physician - Monitor prothrombin times for 5 to 7 days. Intravenous and oral administration of Vitamin K₁ should be given if lab results indicate an effect on blood clotting times. If administration of Vitamin K₁ is initiated on a daily basis, continue to monitor clotting times until the prothrombin times stabilize.

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air. Give Artificial Respiration ONLY if required. Give CPR if there is NO breathing AND NO pulse. Seek medical advice if symptoms develop or conditions persist.

Skin Contact: Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek medical attention.

Ingestion: Give 1 to 2 glasses of water (200 to 500 ml) to dilute material and cause vomiting by inserting a finger or blunt object down the throat. Syrup of IPECAC can also be used to induce vomiting. Lean victim forward with head down to avoid breathing vomitus. DO NOT induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek medical attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: None required under normal usage.

Eye Protection: Not required

Skin Protection: Chemical resistant gloves.

Other Personal Protective Equipment: Coveralls

Engineering Controls: Local exhaust or ventilation.

Handling Procedures and Equipment: Avoid breathing vapours and/or dust, contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children and pets.

Storage Temperature: Min: None Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak and contain spill. Sweep up spilled material and transfer into waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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