

SAFETY DATA SHEET

Section 1: Identification

Product identifier: Maki® Bulk Rodenticide Pellets
Other identifier(s): Registration No. 20258 *Pest Control Products Act*
Uses or restrictions: Only to be used by certified pest control operators, farmers and persons authorized in government-approved pest control programs.

Manufacturer: Liphatec, Inc.
3600 W. Elm Street, Milwaukee, WI 53209 USA

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 class: Specific Target Organ Toxicity (Single exposure), Category 2; Specific Target Organ Toxicity (Repeated exposure), Category 2
Warning: May cause damage to blood and reduce the clotting ability of blood 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. Dispose of container and contents according to instructions on product label. Store locked up.



Section 3: Composition / Information on Ingredients

Hazardous ingredients:
Bromadiolone (CAS registry number 28772-56-7) 0.005% by weight

Section 4: First Aid Measures

May be harmful or fatal if swallowed or absorbed through skin. May irritate eyes. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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 poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **If swallowed:** For all cases of human ingestion, call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Note to physician: Vitamin K₁ in the form of intramuscular or subcutaneous injections, or by oral ingestion are suggested remedial treatments for anticoagulant poisoning. The severity of the case measured by establishing prolonged prothrombin times (P.T.) will determine appropriate therapy. Monitoring P.T. will indicate the necessity of repeated treatments. Any allergen contained in the product is listed on the front panel of the label. If pet or livestock poisoning is suspected, immediately contact a veterinarian.

Section 5: Firefighting Measures

Extinguishing media: Use media suitable for the surrounding fire
Specific fire or explosion hazards: None known
Special precautions for firefighters: Use self-contained breathing apparatus (full facepiece) & full protective clothing. Contain runoff to prevent pollution.

Section 6: Accidental Release Measures

Precautions, protection equipment and procedures: Wear protective equipment described 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 product not in use in original, tightly sealed container in a cool, dry, secure location away from other chemicals and food or feed, and inaccessible to children and non-target animals.

Section 8: Exposure Controls / Personal Protection

Occupational exposure limits or biological limits: Not established.
Appropriate engineering controls: Special ventilation is not required for the normal handling and use of this product according to label instructions.

Individual protection measures: Wear long-sleeved shirt and long pants, shoes plus socks when handling this product. Wear chemical-resistant gloves when handling product and disposing of dead rodents, unconsumed bait and empty containers. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash skin thoroughly with soap and water after handling. Wash contaminated clothing, separately from other laundry, with soap and hot water before reuse.

Section 9: Physical and Chemical Properties

Appearance: Solid pellets, green color, raw grain odor. Odor threshold not determined.

Solubility: Negligible (in water)	pH: Not applicable
Relative density: 1.27 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): >190 °C	Autoignition temp.: Not determined
Decomposition temp.: Not determined	Flammability: Not a flammable solid
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
Incompatible materials: None
Hazardous reactions: 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: Lethargy, loss of appetite, reduced clotting ability of blood, and hemorrhage.

Eye effects/eye irritation:	Mild, transient irritant
Acute oral effects:	LD ₅₀ (oral-rat): >5000 mg/kg
Acute inhalation effects:	LC ₅₀ (rat, 4 hour): 8.6 mg/L (extrapolated)
Acute dermal effects:	LD ₅₀ (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 toxic to fish and wildlife. Keep out of lakes, streams or ponds. To reduce exposure of non-target birds and other wildlife to poisoned carcasses, dead rodents should be securely wrapped and placed in closed containers and disposed of at Provincial sites, where available, or at municipal landfill sites. Otherwise, securely wrap carcasses and bury to a depth that will make them inaccessible to scavengers.

Section 13: Disposal Considerations

Do not reuse empty container. Dispose of unused or spoiled bait in accordance with local requirements. Follow provincial instructions for any required cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency.

Section 14: Transport Information

This product is not regulated as a hazardous material, in any size package, for all modes of transportation within Canada.
Hazard Class, Packing Group and UN ID No.: Not applicable

Section 15: Regulatory Information

This product is registered as a pesticide with the Pest Management Regulatory Agency under the *Pest Control Products Act*. The pesticide label requirements differ from the classification criteria and hazard information required by the *Hazardous Products Act* on this Safety Data Sheet. Read and follow all cautions, directions and use restrictions on the product label on the container. It is an offense under the *Pest Control Products Act* to use a control product under unsafe conditions.

Section 16: Other Information

Prepared by: T. Schmit
Date: 2 February 2015
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.