MAKI® RAT & MOUSE BAIT PACKS (PELLETS)
MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT & COMPANY IDENTIFICATION

Material Name: Maki® Rat & Mouse Bait Packs (Pellets)
Other Designation: Anticoagulant rodenticide with 0.005% Bromadiolone
Chemical Formula: Mixture
Manufacturer: Liphatech, Inc.
3600 W. Elm Street
Milwaukee, WI 53209
Registration No.: EPA Reg. No. 7173-188
Emergency Telephone: 414-351-1476
Monday-Friday, 8:00 am - 4:30 pm CST
After Hours: Call CHEMTREC at 1-800-424-9300

SECTION 2 INGREDIENT INFORMATION

Hazardous Ingredient:	CAS Number:	OSHA PEL:	ACGIH TLV:	ACGIH STEL:
Bromadiolone	28772-56-7	Not assigned	Not assigned	Not assigned

SECTION 3 HAZARDS IDENTIFICATION

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

Primary Entry Routes: Oral (swallowing), dermal (absorption through skin)

Acute Effects (Signs and Symptoms of Overexposure):

Eyes: May cause minor, transient eye irritation (redness).

Skin: May be harmful or fatal if absorbed through the skin. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood.

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

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

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.

Medical Conditions Aggravated by Exposure: Bleeding disorders

Target Organs: Liver

Carcinogenicity: Contains no known or suspected carcinogens.

HMIS: Health – 2, Flammability – 0, Reactivity – 0

SECTION 4 FIRST AID MEASURES

Eyes: Flush with water. Get medical attention if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation persists.

Inhalation: If inhaled, remove person to fresh air. Get medical attention.

Ingestion: Call a physician or poison control center immediately. Have the product label available for medical personnel to read.

Induce vomiting under the direction of medical personnel. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If syrup of ipecac is available, give 1 tablespoon (15ml) followed by 1 or 2 glasses of water. If vomiting does not occur within 20 minutes, repeat this dosage once. Do not induce vomiting or give anything by mouth to an unconscious person.

Note to Physician: This rodenticide contains an anticoagulant ingredient. If ingested, administer vitamin K_1 intramuscularly or orally, as indicated in bishydroxycoumarin overdoses. Repeat as necessary based on monitoring of prothrombin times.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents) call the National Pesticide Telecommunications Network at 1-800-858-7378.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: None
Autoignition Temp.: Not determined
Explosive Limits: LEL: Not applicable
UEL: Not applicable

Extinguishing Media: Use media suitable for the surrounding fire

Unusual Fire or Explosion Hazards: None known

Fire Fighting Instructions: Firefighters should wear self-contained breathing apparatus (full facepiece) and full protective clothing. Contain runoff to prevent pollution.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 STORAGE AND HANDLING

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. Do not get in eyes, on skin or on clothing.

SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

Protective Clothing/Equipment: No special requirements.

Respirator: None required when used according to label instructions.

Contaminated Equipment: Damaged or unwanted bait stations and bait holders should be wrapped in paper and discarded in trash.

Comments: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this product. Wash arms, hands and face with soap and water after handling this product, and before eating and smoking. Launder contaminated clothing separate from street clothes.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid pellets	**Water Solubility:**	Negligible
Color:	Green	**% Volatile (Volume):**	Not applicable
Odor:	None	**Specific Gravity:**	1.27 g/cc
Melting Point:	Not available	**Vapor Pressure:**	Not applicable
Boiling Point:	Not applicable	**Vapor Density:**	Not applicable
Freezing Point:	Not applicable	**pH:**	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None

Hazardous Polymerization: Will not occur

Chemical Incompatibilities: Alkaline materials

Hazardous Products of Decomposition: Oxides of carbon

SECTION 11 TOXICOLOGICAL INFORMATION

Eye Effects/Eye Irritation:	Mild, transient irritant
Acute Oral Effects:	LD_{50} (orl-rat): >5000 mg/kg
Acute Inhalation Effects:	No data available
Acute Dermal Effects:	LD_{50} (dml-rbt): >2000 mg/kg
Skin Irritation:	Non-irritating
Skin Sensitization:	Not a skin sensitizer

SECTION 12 ECOLOGICAL INFORMATION

This product is toxic to fish and wildlife. Do not apply this product directly to water, where surface water is present or to intertidal areas below the mean high water mark. Follow label cautions and instructions to reduce hazards to non-target animals.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal: Wastes which result 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 RCRA. 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: Not applicable **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.

OSHA Hazard Classification: Acute health hazard, chronic health hazard.

Proposition 65: Contains no components subject to warning requirements.

SECTION 16 OTHER INFORMATION

Prepared by: T. Schmit **Date:** 7/24/2003

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