

# SAFETY DATA SHEET

## Section 1: Identification

**Product identifier:** BorderLine®  
**Other identifier(s):** EPA Registration Number 7173-242  
**Uses or restrictions:** Rodenticide with chlorphacinone  
Restricted Use Pesticide  
**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 phone:** Human or Animal Emergencies: RMPDC at 866-514-9168  
Spill Emergencies: CHEMTREC at 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:**  
Chlorophacinone (CAS registry no. 3691-35-8)..... 0.005%

## Section 4: First Aid Measures

**Emergency overview:** This material may reduce the clotting ability of the blood and cause bleeding. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood, and bleeding. 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 or Veterinarian:** Contains anticoagulant ingredient. For humans or animals ingesting bait and/or showing obvious poisoning symptoms (bleeding or prolonged prothrombin times), give Vitamin K<sub>1</sub> intramuscularly or orally. In severe cases, blood transfusions may be needed.

## 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-sleeved shirt, 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:** Solid pellets, off-white color, raw grain odor. Odor threshold not determined.

**Water solubility:** Negligible

**pH:** Not applicable

**Relative density:** 1.26 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

**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:** Lethargy, loss of appetite, reduced clotting ability of blood, and bleeding.

**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): 186 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 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. 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 U.S. 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:** K. Paavola **Date:** 6 August 2019

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