# Material Safety Data Sheet

**Section 1: Name**
- **Product / Trade Name:** BLACK LEAF Mole and Gopher Killer
- **Chemical Name / Common Name:** Zinc Phosphide/Zinc Phosphate

**Section 2: Hazardous Ingredients**
- **Zinc Phosphide:** CAS 1314-84-7

**Section 3: Physical Data**
- **Flash Point / Method:** NA
- **Specific Gravity (H₂O = 1):** NA
- **Vapor Density (Air = 1):** NA
- **% Volatiles by Vol.:** NA
- **Melting Point:** 420°C
- **Vapor Pressure (mmHg):** NA
- **Solubility in H₂O:** Insoluble
- **Odor/Appearance:** Garlic/Grey Pellets

**Section 4: Fire & Explosion Hazard**
- Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical
- Fire Fighting Precautions & Hazards: Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid breathing mist or vapors. Avoid fallout and runoff. Dike to prevent entering drains, sewers, and water courses. Evacuate people downwind from fire.

**Section 5: Carcinogen Status**
- OSHA: No Listing
- NTP: No Listing
- IARC: No Listing

**Section 6: Reactivity**
- Stable
- Hazardous Polymerization: No
- May Occur: No
- Will Not Occur: Yes

**Section 7: Spill or Leak Procedures**
- **Avoid:** NA
- **Hazardous Decomposition Products:** CO, CO₂

**Steps to be taken in case of spill:**
- Wear appropriate personal and respiratory protective equipment. Sweep or vacuum up and place in an approved disposal container.

**Decontamination:**
- Treat contaminated area with a strong detergent and water. Absorb with inert material and place in an approved disposal container.

**Environmental hazards:**
- This product is toxic to fish and wildlife. Dike to prevent entering drains, sewers, and water courses.

**Disposal:**
- Dispose of in accordance with Federal, State and local regulations.

*Technical Material* | NE - Not Established | NA - Not Applicable
## Section 8
### Health Precautions

#### Ingestion:
Acute oral LD₅₀ (rat) 25 mg/kg (RTECS*). Do not ingest. Wash thoroughly before eating, drinking, or smoking. Do not store near food or feed.

#### Inhalation:
PEL/TLV .1 mg/m³ for technical ingredient. Wear proper respiratory protection for exposures above the PEL/TLV. May cause pulmonary irritation.

#### Skin Absorption:
Acute Dermal LD₅₀ (rat) 1400 mg/kg (RTECS*). Can be absorbed through the skin. Wear proper personal protective equipment to minimize exposure.

#### Eye Exposure:
Keep out of eyes. Wear proper eye protection to minimize exposure. If exposed, flush eyes a minimum of 15 minutes with water.

#### Effects of Overexposure:
Symptoms of overexposure may include severe nausea and abdominal pain, tightness in chest, CNS excitement, pulmonary edema and convulsions. Can be fatal. Chronic exposure may cause heart, liver, and kidney injury. Pre-existing medical conditions involving the above symptoms or conditions being treated by other anticoagulants may be aggravated by exposure.

#### First Aid:
In all cases, get prompt medical attention. If swallowed, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin contact, remove contaminated clothing and shower with soap and water. For eye exposure, flush eyes with water for a minimum of 15 minutes. If inhaled, remove victim to fresh air. Vitamin K₁ is antidotal.

## Section 9
### Special Protection Information

#### Respiratory Protection:
Use NIOSH/MSHA-approved respirator for pesticides for exposures up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposure above 10 times the PEL/TLV.

#### Personal Protective Equipment:
Neoprene or rubber gloves and boots, chemical goggles, long-sleeved coveralls, and hat, depending on exposure expected. For manufacture, formulation, and application operations, recommend a shower at the end of the work shift.

#### Ventilation:
Local exhaust ventilation is recommended for manufacture and formulation. General ventilation should be sufficient for product user.

## Section 10
### Special Precautions
Keep out of the reach of children. Read and follow all label instructions. Do not store near heat, open flame, or other ignition sources.

SARA Hazard Category(s) - none.

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EFFECTIVE: 12/97