

RODENT BAIT ZINC PHOSPHIDE TREATED GRAIN (2.00%)

MATERIAL SAFETY DATA SHEET

Product Name: RODENT BAIT ZINC PHOSPHIDE TREATED GRAIN (2.00%)

SECTION I

Registrant:
California Dept. of Food & Agriculture
1220 N Street, Room A-357
Sacramento, CA
EPA SLN NO. CA 890027

Manufactured By:
Alameda County Department of Agriculture
Fresno County Department of Agriculture
Kings County Department of Agriculture
Merced County Department of Agriculture Yolo
County Department of Agriculture

Emergency Phone Numbers: 916-654-0768 California Department of Food and Agriculture
Integrated Pest Control
800-424-9300 CHEMTREC

Date Prepared: 6/04

SECTION II - Hazardous Ingredients/Identity Information

Specific Chemical Identity	OSHA PEL	ACGIH TLV	Other Limits Recommended	%Ingr.
Zinc Phosphide (Phosphine (CAS No. 1314-84-7)	N/A	TWA=0.4 mg/M ³	STEL=1 mg/M ³ 2.0	
Inert ingredients: (non-hazardous) Grain, Binder, Spreader, Dye	N/A	N/A	N/A	98.0

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE WHICH IS REGULATED UNDER
SARA, TITLE III, SECT. 313: Zinc Phosphide (CAS NO. 1314-84-7) 2.0 %

SECTION III - Physical/Chemical Characteristics

Boiling Point: N/A
Specific Gravity (water = 1) Bulk Density = 35.5 lbs/cu.ft.
Vapor Pressure (mm Hg) N/A
Vapor Density (air = 1) Phosphine = 1.17
Melting Point: N/A
Evaporation Rate (Butyl Acetate = 1) N/A
Solubility in water: N/A
Appearance and Odor: Dark gray-black. Garlic odor, pungent.

SECTION IV - Fire and Explosion Hazard Data

Flash Point: N/A

Flammability Limits: UEL: N/A LEL: N/A

Extinguishing Media: Use dry chemical or carbon dioxide. Avoid water and foam as they may form phosphide gas upon contact with zinc phosphide. For large fires, withdraw from the area and let burn. (DOT 1984, Guide 41)

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fight fire from upwind and evacuate downwind area as appropriate. Move container from fire area if you can do so without risk.

Unusual Fire and Explosive Hazards: Toxic fumes. Also see reactivity section.

N/A = Not Available

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SECTION V - Reactivity Data

Stability: Stable under normal conditions.

Conditions to avoid: Avoid heat, incompatible materials.

Incompatibility (Materials to Avoid): Acids, including dilute. Water.
May react with oxidizers.

Hazardous Decomposition Products: May react with acids or water to release toxic and spontaneously flammable phosphine gas. Oxides of phosphorus and zinc.

Hazardous Polymerization: Will not occur.

Conditions to avoid: None.

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? Yes
Skin? Yes
Ingestion? Yes

Health Hazards (Acute and Chronic): Acute Oral LD₅₀ of 2% meal bait is 595 mg/kg (rats). Acute Dermal LD₅₀ > 2000 mg/kg (rabbits).

Carcinogenicity: NTP? Not Listed.
IARC Monographs? Not Listed.
OSHA Regulated? Not Listed.

Signs and Symptoms of Exposure: Local irritation, nausea, garlic breath odor, restlessness, diarrhea, low blood pressure, fever, shock, tremors, fatigue, excessive perspiration, abdominal cramps, breathing difficulty, change in skin color.

Medical Conditions Generally Aggravated by Exposure: Not known.

STATEMENT OF PRACTICAL TREATMENT

Any persons applying zinc phosphide products and experiencing signs and symptoms such as nausea, abdominal pain, tightness in the chest, or weakness, should be seen by a physician immediately.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Immediately call a Poison Control Center or physician, or transport the patient to the nearest hospital. Do not drink water. Do not administer anything by mouth or make the patient vomit unless advised to do so by a physician.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Avoid bodily contact. Wear protective equipment. Keep water and ignition sources away. Carefully shovel/sweep up and package material in clean, dry labeled containers. Move containers away and flush surfaces with plenty of water. Regard washings as waste. Keep out of bodies of water and sewer.

Waste Disposal Method: Pesticide waste are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide Agency.

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Precautions to be Taken in Handling and Storing: Harmful if swallowed. Do not breathe dust or fumes. Avoid contact with skin and eyes. Wash thoroughly after handling and before eating or smoking. Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children and domestic animals.
Other Precautions: Store in a cool, dry, well-ventilated area. Clean up spilled bait promptly. For Use Only in California. This is a Restricted Use Pesticide.

SECTION VIII - Control Measures

Respiratory Protection (specify type): Cartridge or canister type respirator for toxic dusts if industrial hygiene evaluation indicates need. Use clean, well-maintained MSHA/NIOSH approved equipment fitted to user.

Ventilation: Local Exhaust? Yes, in manufacturing plant.
Mechanical (general)? Yes, needed for storage and use areas.
Special? None.
Other? None.

Protective Gloves: Waterproof Gloves.

Eye Protection: Goggles or shielded safety glasses for use of product. Maintain eyewash facility.

Other Protective Clothing or Equipment: Long sleeved shirt, long pants, socks and shoes.

Work/Hygienic Practices: Wash thoroughly after handling product.

SECTION IX - California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer. (None)

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (None)

SECTION X - SARA III HAZARD CATEGORY: For Reporting Under Sections 311 & 312

Immediate Yes Delayed No Fire No
Reactive Yes Sudden Release of Pressure No
(Zinc Phosphide is the Immediate and Reactive Hazard)

SECTION XI - Shipping Information

D.O.T. Hazard Classification: Not D.O.T. Regulated.
Bill of Lading Description: Vermin Exterminators, NOI

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or governmental regulations. Therefore, you should use this information only as a supplement to other information gathered by you and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by Registrant or Manufacturer as to the results to be obtained based upon your use of the information nor does Registrant or Manufacturer assume any liability arising out of your use of the information.