

Lawn and Garden Products, Inc.  
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559-499-2100

In Case of Emergency, Call:  
**1-800-424-9300** CHEMTREC  
**1-800-424-8802** EPA National Response Center

## 1. PRODUCT IDENTIFICATION

Product Name: **Go-Die® Gopher Bait II**  
EPA Signal Word: **CAUTION**  
Active Ingredient (%): Zinc Phosphide (2.00%) CAS No.: 1314-84-7  
Chemical Name: trizinc diphosphide  
Chemical Class: An inorganic compound.  
EPA Registration Number: 36029-12-54705

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Zinc Phosphide (2.00%)	Not Established	Not Established	Not Established	No
Grain	Not Established	Not Established	Not Established	No

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 3. HAZARDS IDENTIFICATION

### Symptoms of Acute Exposure

Local irritation, eye irritation (burning, stinging eyes), nausea, garlic breath odor, restlessness, diarrhea, low blood pressure, fever, shock, tremors, fatigue, excessive perspiration, abdominal cramps, breathing difficulty, change in skin color.

### Hazardous Decomposition Products

May react with acids or water to release toxic and spontaneous flammable phosphide gas. Oxides of phosphorus and zinc.

### Physical Properties

Appearance: Grey/black, mottled  
Odor: Mild garlic odor

### Unusual Fire, Explosion, and Reactivity Hazards

Toxic fumes.

## 4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment. **Any persons applying zinc phosphide products and experiencing signs and symptoms such as nausea, abdominal pain, tightness of the chest, or weakness, should be seen by a physician immediately.**

Ingestion: Call a physician or poison control center immediately, 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.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

Skin Contact: Take off contaminated clothing. Wash skin with soap and water.

Inhalation: Move person to fresh air. If person is not breathing call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

**NOTE TO PHYSICIAN: There is no specific antidote. Very thorough gastric lavage is usually indicated. 3% - 5% sodium bicarbonate gavage has been suggested. Treat supportively and symptomatically.**

Medical Condition Likely to be Aggravated by Exposure None Known.

## 5. FIRE FIGHTING MEASURES

### Fire and Explosion

Flash Point (Test Method): Not Available

Flammable Limits (% in Air): Lower: % Not Available Upper: % Not Available

Autoignition Temperature: Not Available

Flammability: Not Flammable

Extinguishing Media: Dry chemical: soda ash, lime, or sand. Avoid water and foam as they may form phosphine gas upon contact with zinc phosphide. For large fires, withdraw from area and let burn (DOT ERG 2000, Guide 139)

### Hazardous Decomposition Products:

May react with acids or water to release toxic and spontaneous flammable phosphide gas. Oxides of phosphorus and zinc.

### Unusual Fire, Explosion, and Reactivity

Hazards: Toxic fumes.

### In Case of Fire

Potentially hazardous in fire. Wear self-contained breathing apparatus. Fight fire from upwind and evacuate to downwind area as appropriate. Move container from area if you can do so without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### In Case of Spill or Leak

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.

## 7. HANDLING AND STORAGE

May be fatal if swallowed. Do not breathe dust or fumes. Avoid contact with skin and eyes.

Store the material in a cool, dry, and well-ventilated, secure area out of reach of children and domestic animals. Wash thoroughly after handling and before eating or smoking. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING, AND USE OF THIS PRODUCT.**

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Safety Goggles or Safety Glasses with side-shields. Maintain emergency eyewash station.

- Skin Contact: Cotton gloves which are changed and washed or discarded regularly. Long sleeved shirt and trousers which are changed and washed regularly.
- Inhalation: 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 and/or mechanical exhaust are required in areas of manufacture, storage, and use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey/black, mottled
Odor:	Mild garlic odor
Melting Point:	> 420° C (Zinc Phosphide)
Boiling Point:	Not Available
Specific Gravity/Density:	Bulk Density 41-44 lbs. /ft <sup>3</sup>
pH:	Not Available
Solubility:	Negligible (product), slowly decomposes in water (active ingredient)
Vapor Pressure (mmg Hg):	Not Available
Vapor Density:	Not Available

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal use and storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid heat and incompatible materials.
Materials to Avoid:	Acids, including dilutes. Water. May react with oxidizers.
Hazardous Decomposition Products:	May react with acids or water to release spontaneously flammable phosphine gas. Oxides of zinc and phosphide.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity/Irritation Studies (Finished Product)

Ingestion:	<u>Ingestion Hazard</u>	
	Oral (LD <sub>50</sub> Rat)	: 910 mg/kg body weight (2.00% pelleted bait)
Dermal:	<u>Toxic</u>	
	Dermal (LD <sub>50</sub> Rabbit)	: > 2,000 mg/kg body weight (2.00% pelleted bait)
Inhalation:	<u>Not Available</u>	
Eye Contact:	<u>Not Available</u>	
Skin Contact:	<u>Not Available</u>	
Skin Sensitization:	Not Available	

### Other Toxicity Information

**CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY! FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-800-498.5743**

### Toxicity of Other Components

Grains: Not Available.

### Target Organs Active Ingredients

Zinc Phosphide Technical : Zinc Phosphide is a systemically toxic poison.

### Inactive Ingredients

Grains: : Not Available.

## 12. ECOLOGICAL INFORMATION

Do not discharge effluent containing this product directly to water. Do not contaminate water when disposing of equipment wash water.

**13. DISPOSAL CONSIDERATIONS**Container Disposal

Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Pesticide Disposal

Pesticide wastes 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 or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**14. TRANSPORT INFORMATION**DOT Classification

Proper Shipping Name: Vermin Exterminators (Rodenticide), N.O.I., Other Than Poison  
 Hazard Class: Not Applicable  
 UN Number: Not Applicable  
 Packing Group: Not Applicable  
 Label: Not Applicable  
 Special Instructions: Not Applicable

IMDG Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
 Hazard Class: Not Applicable  
 UN Number: Not Applicable  
 Packing Group: Not Applicable  
 Label: Not Applicable  
 Special Instructions: Not Applicable

IATA Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
 Hazard Class: Not Applicable  
 UN Number: Not Applicable  
 Packing Group: Not Applicable  
 Label: Not Applicable  
 Special Instructions: Not Applicable

Canadian Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
 Hazard Class: Not Applicable  
 UN Number: Not Applicable  
 Packing Group: Not Applicable  
 Label: Not Applicable

**15. REGULATORY INFORMATION**EPA SARA Title III Hazard Classification (For Reporting Under Sections 311 & 312)

Immediate Y Fire N Sudden Release of Pressure N  
 Delayed N Reactive Y

Section 313 Toxic Chemicals:

Zinc Phosphide (CAS No. 1314-84-7) 2%

California Proposition 65:

Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ):

Zinc Phosphide (CAS No. 1314-84-7) 2% Reportable Quantity: 100 lbs.

RCRA Hazardous Waste Classification (40 CFR 261):

U249 (For concentrations of 10% or less)

TSCA Status:

Exempt from TSCA, subject to FIFRA

**16. OTHER INFORMATION**

NFPA Hazard Ratings		HMIS Hazard Ratings		
Health:	1	Health:	1	0 - Minimal
Flammability:	1	Flammability:	1	1 - Slight
Instability:	2	Reactivity:	2	2 - Moderate
				3 - Serious
				4 - Extreme

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