

**Safety Data Sheet**



**Section 1: Identification**

**Product identifier**

**Product Name**

- **Amdro Mole\* & Gopher Bait**

**Synonyms**

- 100510486; EPA Reg. No.: 12455-30-73342; Mole & Gopher Bait Pellets; Rodenticide; UPC #: 8-13576-00861-1

**Product Description**

- Gray granular pellet.

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended use**

- Adult rodenticide - ready to use.

**Restrictions on use**

- Keep out of the reach of children. Avoid contact with eyes, skin or clothing.

**Details of the supplier of the safety data sheet**

**Manufacturer**

- Ambrands  
1000 Parkwood Circle, Suite 700  
Atlanta, GA 30339  
United States

www.amdro.com

**Emergency telephone number**

**Manufacturer**

- 1-800-265-0761 - Ambrands

**Manufacturer**

- 1-800-424-9300 - CHEMTREC

**Manufacturer (Transportation)**

- 1-703-527-3887 - Chemtrec US collect calls accepted

**Section 2: Hazard Identification**

**United States (US)**

According to: OSHA 29 CFR 1910.1200 HCS

**Classification of the substance or mixture**

**OSHA HCS 2012**

- Not classified; does not meet hazard criteria.

**Label elements**

**OSHA HCS 2012**

**Other hazards**

**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is not considered hazardous. This product is extremely toxic to birds, fish and other wildlife.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition		
Chemical Name	Identifiers	%
Zinc phosphide	CAS:1314-84-7	2%
Inert and Non-Hazardous Ingredients	NDA	98%

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur.

#### Skin

- IF ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

#### Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

### Most important symptoms and effects, both acute and delayed

- Ingestion of excessive quantities may cause nausea, abdominal pain, tightness in the chest, eye irritation, or weakness. Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- There is no specific antidote. Probable mucosal damage may contradict the use of gastric lavage. Sodium bicarbonate can be given orally to neutralize the stomach acidity. The stomach and intestinal tract can be evacuated, oxygen administered and cardiac and circulatory stimulants given.

### Other information

- Advice to Veterinarian: For animals ingesting bait and/or showing poisoning signs, induce vomiting by using hydrogen peroxide. Sodium bicarbonate can be given orally to neutralize the stomach acidity. The stomach and intestinal tract can be evacuated, oxygen administered and cardiac and circulatory stimulants given.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** • Dry chemical, soda ash, sand, or inert gas.

#### Unsuitable Extinguishing Media

- Avoid water or foam as they may form phosphine gas upon contact with zinc phosphide.

#### Firefighting Procedures

- Do not allow fire fighting water to escape into waterways or sewers. Isolate fire area and evacuate downwind. Do not breathe gases, smoke or vapors generated. Stay upwind.

## Special hazards arising from the substance or mixture

### Unusual Fire and Explosion Hazards

- No data available.

### Hazardous Combustion Products

- High temperature decomposition or burning in air can result in the formation of toxic or flammable gases, which may include flammable phosphine gas, oxides of phosphorus, and zinc.

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- Gloves, long sleeve shirt, long pants, shoes, and socks should be worn when handling the bait. Collect spillage without creating dust.

#### Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

### Environmental precautions

- Avoid run off to waterways and sewers. Do not allow bait to enter drains or water courses. Where there is contamination of streams, rivers or lakes contact the appropriate environment agency.

### Methods and material for containment and cleaning up

#### Containment/Clean-up Measures

- Sweep or scoop up spills, dispose of any unusable material in approved landfill. Use appropriate Personal Protective Equipment (PPE). Wash contaminated surfaces with detergent.

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- Avoid contact with skin, eyes, and clothing. Read label before use. Do not handle the product near food, animal foodstuffs or drinking water. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### Conditions for safe storage, including any incompatibilities

#### Storage

- Store only in original container in a cool, dry place, inaccessible to pets and wildlife. Do not contaminate water, food or feed by storage or disposal. Keep containers closed and away from other chemicals. Store away from oxidizers, strong acids and water.

#### Incompatible Materials or Ignition Sources

- Water, strong acids, oxidizers.

### Other Information

- See product label for additional information.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

### Exposure controls

#### Engineering Measures/Controls

- No data available.

#### Personal Protective Equipment

**Pictograms****Respiratory**

- Persons loading pellets or baits into aircraft or mechanical ground equipment and persons loading/applying with a hand-pushed or hand-held equipment, such as a push-type spreader or cyclone spreader, must wear a dust/mist filtering respiration (MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with a R, P, or HE filter).

**Eye/Face**

- Wear safety glasses.

**Hands**

- Wear appropriate gloves.

**Skin/Body**

- Long sleeve shirt, long pants, shoes, and socks should be worn when handling the bait.

**General Industrial Hygiene Considerations**

- Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet, and change into clean clothing.

**Environmental Exposure Controls**

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

**Section 9 - Physical and Chemical Properties****Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Solid	Appearance/Description	Gray granular pellet.
Color	Gray	Odor	Garlic-like
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	= 1.35 @ 20 C(68 F) Water=1	Bulk Density	No data available
Water Solubility	Insoluble	Viscosity	Not relevant
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

**Section 10: Stability and Reactivity****Reactivity**

- Stable when stored in original container in a cool, dry location.

**Chemical stability**

- Stable when stored in original container in a cool, dry location.

**Possibility of hazardous reactions**

- High temperature decomposition or burning in air can result in the formation of toxic or

flammable gases, which may include flammable phosphine gas, oxides of phosphorus, and zinc. Hazardous polymerization will not occur.

## Conditions to avoid

- Avoid extreme temperatures (below 0°C or above 40°C).

## Incompatible materials

- Avoid water, acidic and oxidizing materials.

## Hazardous decomposition products

- Avoid exposure to acidic conditions, light, heat, and extreme humidity. Exposure to acidic conditions may result in the liberation of flammable phosphine gas. Oxides of zinc and phosphide.

## Section 11 - Toxicological Information

### Information on toxicological effects

	CAS	
Amdro Mole* & Gopher Bait	NDA	<b>Acute Toxicity:</b> Ingestion/Oral-Rat • >2000 mg/kg; Skin-Rat • >5001 mg/kg; <b>Irritation:</b> Eye-Species unspecified • Mild irritation; Skin-Species unspecified • Essentially non-irritating
Components		
Zinc phosphide (2%)	1314-84-7	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 21 mg/kg; Skin-Rabbit LD50 • 2,000 - 5,000 mg/kg

GHS Properties	Classification
<b>Acute toxicity</b>	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
<b>Aspiration Hazard</b>	OSHA HCS 2012 • Classification criteria not met
<b>Carcinogenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Germ Cell Mutagenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Skin corrosion/Irritation</b>	OSHA HCS 2012 • Classification criteria not met
<b>Skin sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-RE</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-SE</b>	OSHA HCS 2012 • Classification criteria not met
<b>Toxicity for Reproduction</b>	OSHA HCS 2012 • Classification criteria not met
<b>Respiratory sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>Serious eye damage/Irritation</b>	OSHA HCS 2012 • Classification criteria not met

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

### Skin

- Acute (Immediate)** • Essentially non-irritating.
- Chronic (Delayed)** • No data available.

### Eye

- Acute (Immediate)** • May cause mild irritation.

<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"> <li>No data available</li> </ul>
<b>Ingestion</b>	
<b>Acute (Immediate)</b>	<ul style="list-style-type: none"> <li>Under normal conditions of use, no health effects are expected.</li> </ul>
<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"> <li>No data available</li> </ul>
<b>Other</b>	
<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"> <li>No data available.</li> </ul>
<b>Mutagenic Effects</b>	<ul style="list-style-type: none"> <li>Amdro Mole* &amp; Gopher Bait contains no components known to have a mutagenetic effect.</li> </ul>
<b>Carcinogenic Effects</b>	<ul style="list-style-type: none"> <li>Amdro Mole* &amp; Gopher Bait contains no components known to have a carcinogenic effect.</li> </ul>
<b>Reproductive Effects</b>	<ul style="list-style-type: none"> <li>No data available.</li> </ul>

## Section 12 - Ecological Information

### Toxicity

- No data available

### Persistence and degradability

- Amdro Mole\* & Gopher Bait is inherently biodegradable. Zinc phosphide rapidly decomposes in water.

### Bioaccumulative potential

- Not determined for Amdro Mole\* & Gopher Bait. Zinc phosphide water solubility is extremely low (< 0.1mg/l).

### Mobility in Soil

- Not determined for Amdro Mole\* & Gopher Bait. Mobility of zinc phosphide in soil is considered to be limited.

### Other adverse effects

#### Potential Environmental Effects

- This product is extremely toxic to fish, birds and other wildlife. Dogs and predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product waste

- Wastes resulting from the use of this product may be placed in trash or delivered to an approved waste disposal facility.

#### Packaging waste

- Non-refillable container. Do not reuse or refill this container. [Plastic:] Offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration. In most states, burning is not allowed. [Paper:] Dispose of empty container by placing in trash, at an approved waste disposal facility or by incineration. In most states, burning is not allowed.

## Section 14 - Transport Information

UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards

DOT	N/A	Not regulated	N/A	N/A	N/A
IMO/IMDG	N/A	Not regulated	N/A	N/A	N/A
IATA/ICAO	N/A	Not regulated	N/A	N/A	N/A

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

**Other information**

**IMO/IMDG** • No data available

**IATA/ICAO** • No data available

**Key to abbreviations**

= N/A = Not applicable.

## Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications** • CERCLA/SARA 302: listed

**FIFRA – Pesticide Labeling**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

### CAUTION

**Hazard Statements** • KEEP OUT OF REACH OF CHILDREN

**Precautionary Statements** •

**Hazards to Humans and Domestic Animals** • Harmful if swallowed or inhaled, causes moderate eye irritation, avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long sleeved shirt and long pants, shoes plus socks and gloves. Remove and wash contaminated clothing before reuse. Any person who retrieves carcasses or unused bait following application of this product must wear gloves.

**First Aid** • IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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 for treatment advice.

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 poison control center or doctor for treatment advice.

**Environmental Hazards** • This product is extremely toxic to birds, fish and other wildlife. Wildlife feeding on treated bait may be killed. Dogs, cats, and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply directly to water.

**Physical or Chemical Hazards** • Do not use with or store near any oxidizing agents.

Inventory		
Component	CAS	TSCA

Zinc phosphide	1314-84-7	Yes
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**United States**

<b>Environment</b>		
<b>U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities</b>		
• Zinc phosphide	1314-84-7	100 lb final RQ; 45.4 kg final RQ
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>		
• Zinc phosphide	1314-84-7	100 lb EPCRA RQ
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</b>		
• Zinc phosphide	1314-84-7	500 lb TPQ (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261</b>		
• Zinc phosphide	1314-84-7	waste number P122 (concentrations >10%); waste number U249 (concentrations <10%)
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - P Series Wastes - Acutely Toxic Wastes</b>		
• Zinc phosphide	1314-84-7	waste number P122 (Reactive waste, Toxic waste, when present at concentrations >10%)
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - U Series Wastes - Acutely Toxic Wastes &amp; Other Hazardous Characteristics</b>		
• Zinc phosphide	1314-84-7	waste number U249 (when present at concentrations of <=10%)

**Section 16 - Other Information**

- Last Revision Date**
  - 27/April/2015
- Preparation Date**
  - 27/April/2015
- Disclaimer/Statement of Liability**
  - The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.