

**1. IDENTIFICATION**

**Product Name:** Snail & Slug Bait  
**EPA Reg. No.:** 71096-7-829  
**CAS No.:** 108-62-3  
**Chemical Family:** Metaldehyde  
**Formula:** C<sub>8</sub>H<sub>16</sub>O<sub>4</sub>  
**Company:** Southern Agricultural Insecticides, Inc  
P.O. Box 218  
Palmetto, FL 34220  
(941) 722-3285  
Chemtrec (800) 424-9300 (24 hour transportation spill response)  
National Pesticide Information Center: 1-800-858-7378  
American Association of Poison Control Centers: 1-800-222-1222

**Recommended Use:** Molluscicide

This product is an EPA FIFRA registered pesticide. Some of the classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15: REGULATORY INFORMATION for explanation.

**2. HAZARD(S) IDENTIFICATION****Hazard Classification:****Health:**

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Acute Inhalation Toxicity	Category 4
Skin Corrosion/Irritation	Not irritating
Eye Damage/Irritation	Category 2A

**Physical:**

Harmful to domestic animals. Slightly toxic to fish on an acute basis. Toxic to Mollusks.

**Signal Word(s):**

Caution (USEPA Stamped Label)  
Warning (GHS)

**Hazard Statement(s):**

Harmful if swallowed  
Harmful in contact with skin  
Harmful to children and fatal to domestic animals when ingested

**Symbol(s):**

### Precautionary Statement:

- Wash hands thoroughly after handling before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
- As soon as possible, wash thoroughly and change into clean clothing after handling or using this product.
- Have the product label or container with you when calling the poison control center or doctor, or going for treatment.
- This product can be harmful to domestic animals. If ingestion by pet is suspected, bring the product container or label with you to the veterinarian. Go Immediately.

**Unclassified Hazard(s):** This pesticide is toxic to mollusks (e.g., clams, oysters, scallops, mussels). This pesticide is toxic to birds and mammals.

**Unknown Toxicity Ingredient:** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Product Composition:

Chemical Name	Formula	CAS No.	WT % A.I.	EINECS No.
Metaldehyde	C8H16O4	108-62-3	3.25%	203-600-2
Remaining Ingredients	Trade Secret	NA	98%	NA

### 4. FIRST AID MEASURES

#### Symptoms/Effects:

**Acute:** This product can be harmful to children and domestic animals. Avoid contact with eyes, as product is a mild irritant and may cause redness and burning. If inhaled, dust may cause mild irritation of nasal mucus membranes. May cause dry coughing or wheezing. Toxic if swallowed. If ingested, this product may cause excessive salivation, vomiting, nausea, acetonuria (odor of acetone on breathe), convulsions, increased body temperature, depression of medullary respiratory and vasomotor control centers. May result in coma and can be fatal. **Note: Because of low amounts of metaldehyde in this product (3.25%), it is unlikely the victim can be exposed to sufficient quantities of metaldehyde to have coma or death induced.**

#### Chronic:

This product is a mild skin irritant especially from long-term exposure and may cause redness or chafing.

#### Eyes:

**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.

#### Skin:

**If on skin:** Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.

**Ingestion:**

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Rinse mouth. DO NOT induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Inhalation:**

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

## 5. FIREFIGHTING MEASURES

**Flammable properties:** (See section 9 for additional properties)

Do not introduce heat to SOUTHERN AG SNAIL & SLUG BAIT. Decomposition products of metaldehyde are paraldehyde and acetaldehyde. Acetaldehyde may be oxidized to acetic acid, which may catalyze the decomposition of metaldehyde.

**Extinguishing Media:**

**Suitable Extinguishing Media:** Water, Carbon Dioxide, Dry Chemical

**Unsuitable Extinguishing Media:** Not Applicable

**Protection of Firefighters:**

Specific Hazards Arising from the Chemical

Physical Hazards: Dangerous when exposed to heat or flame.

Chemical Hazards: Carbon Dioxide, carbon monoxide, paraldehyde and acetaldehyde are all known hazardous products of combustion.

Protective Equipment and Precautions for Firefighters:

Wear NIOSH approved self-contained breathing apparatus due to the possible presence of gases and the irritating nature of the product.

**Additional Information:**

National Fire Protection Association (NFPA) Ratings:

Health 2      Flammability 1      Reactivity 0      Special N/A

Hazard Rating: 4 (severe), 3 (serious), 2 (moderate), 1 (slight), 0 (minimal.)

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use Personal Protective Equipment specific in section 8. Remove contaminated clothing and wash affected skin areas with soap and water.

**Environmental Precautions:**

Keep spill out of open bodies of water and municipal sewers unless allowed under NPDES (National Pollutant Discharge Elimination System) permit. Do not release into the aquatic environment.

**Methods of Containment**

**Small Release:** Recover dry product if possible. Do not wash away. If wet, floors may become slippery. To remove residue, wet with water and absorb with absorbent material, package spillage and dispose of according to local, Tribal, State, and Federal regulations. Keep spillage from entering sewers and bodies of water. Follow PPE requirements in section 8.

**Large Release:** Same as above

**Method for Cleanup:**

**Small Release:** Sweep, Don't wash. Floors may become slippery when wet. Try not to generate dust while sweeping. To remove residue, wet with water, package spillage and dispose of according to local, Tribal, State, and Federal laws. Follow PPE requirements in section 8.

**Large Release:** Same as above

## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes, skin or clothing. Fatal if swallowed. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. See section 8 for a complete list of PPE to wear when handling this product.

**Storage:**

Store SOUTHERN AG SNAIL & SLUG BAIT in its original container in a cool, locked place out of reach of children. Do not allow to freeze. Do not store near food or feed. This product can be fatal to children and dogs (and other domestic animals) if ingested. Dogs have been known to ingest metal dehyde after opening or tearing packaging.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Guidelines:**

OSHA (TWA, STEL): Not listed as an air contaminate in 1910.1000 table Z-1  
ACGIH (TLV, STEL): Not Available

**Engineering Controls:**

Use adequate exhaust ventilation to prevent inhalation of product vapors. Keep eye wash/safety shower in areas where commonly used.

**Personal Protective Equipment (PPE):**

Eye/Face Protection: Not necessary unless use generates nuance dust then, wear goggles or face shield

Skin Protection: Long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, chemical resistant footwear plus socks.

Respiratory Protection: Not necessary unless use generates nuance dust then, wear dust mask or respirator.

Hygiene Considerations: Wash hands thoroughly after handling this product before eating, drinking, chewing gum, using tobacco, or using the toilet. Change clothing immediately after finished handling this product.

## 9. Physical and Chemical Properties

**Appearance:** Light Brown Pellet  
**Odor:** Mint or Grain  
**Odor Threshold:** Not Available  
**pH:** 5.5 - 7  
**Melting Point/Freezing Point:** 246C (474.8 °F)/NA  
**Boiling Point:** Not available  
**Flash Point:** Not available  
**Evaporation Rate:** (Butyl Acetate=1) Not Available  
**Flammability:** Not applicable

<b>Upper/Lower Flammability Limits:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Available
<b>Vapor Density:</b>	(Air=1) Not Available
<b>Average Relative Density:</b>	0.70 [40-46 Lb. /cuft]
<b>Water Solubility:</b>	Insoluble
<b>Partition Coefficient:</b>	Not Applicable
<b>Auto-ignition Temperature:</b>	Not Applicable
<b>Decomposition Temperature:</b>	Not Applicable
<b>Viscosity:</b>	Not Applicable
<b>Storage life:</b>	At recommended conditions a minimum of 2 years.

## 10. STABILTY AND REACTIVITY

**Reactivity:** Products can be reactive with the introduction of oxidizing agents

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Hazardous Polymerization does not occur.

**Conditions to Avoid:** Direct sunlight, excessive heat and freezing conditions.

**Incompatible Materials:** Oxidizing agents

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, paraldehyde and acetaldehyde.

## 11. TOXICOLOGICAL INFORMATION

**Oral:** LD50 >5,000 mg/kg

**Dermal:** LD50 > 5,000 mg/kg

**Inhalation:** Not Applicable

**Eye:** Not irritating

**Chronic/Carcinogenicity:** Data not available

**Teratology:** Data not available

**Reproduction:** Data not available

**Mutagenicity:** Data not available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Metaldehyde is used to protect a wide variety of plant types. No adverse ecological incidents have been reported with regard to metaldehyde and terrestrial plants. (USEPA RED).

**Persistence & Degradability:** Metaldehyde is highly mobile in soils, and is generally stable to abiotic degradation mechanisms such as hydrolysis and photolysis (USEPA RED).

**Bioaccumulative Potential:** This product is not bioaccumulative. Metaldehyde is primarily dissipated from soils through biodegradation under aerobic conditions, with a half-life of approximately 2 months (USEPA RED).

**Mobility in Soil:** Metaldehyde is highly mobile in soils (USEPA RED).

**Other Adverse Effects:** None known at this time.

**Note:** All Ecological Information derived from United States Environmental Protection Agency. Reregistration Eligibility Document for Metaldehyde. 27 July.

2006<[http://www.epa.gov/pesticides/reregistration/REDS/metaldehyde\\_red.pdf](http://www.epa.gov/pesticides/reregistration/REDS/metaldehyde_red.pdf)>

## 13. DISPOSAL CONSIDERATIONS

Completely empty bag, then dispose of in a sanitary landfill, by incineration or by burning, according to local, state and federal regulations. If burning stay out of smoke. Do not contaminate lakes, streams, oceans or other waters by discharge of waste effluents or equipment wash waters.

**Note:** Chemical additions or other alterations of this product may invalidate any disposal information in this SDS. Therefore, consult local waste regulators for proper disposal.

## 14. TRANSPORTATION INFORMATION

### Basic Shipping Description:

UN Number: Not listed (Metaldehyde 1332)

UN proper shipping name: Agriculture NOIIInsecticide or Fungicide (Not regulated by DOT)

Class: 60

Packing Group: Not applicable

Hazardous Substance: No

### Additional Information:

Other DOT Requirements: (not regulated by DOT)

Reportable Quantity: No

Placard(s): Not Applicable

Labels(s): Not Applicable

USCG Classification: Not Applicable

International Transportation:

IMO: Not Available

IATA: Not Available

TDG (Canada): Not Listed

ADR (Europe): Not listed.

ADG (Australia): Not Listed

RR STCC: Not Listed

Emergency Response Guide: Guide No. 133 ID No. 1332 (for A.I.)

ERAP-Canada: Not Required

Special Precautions: Consult appropriate authorities before shipping this product internationally.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations:

OSHA: This product meets the criteria of the Federal OSHA Hazard Communication Standard 29 CFR §1910.1200

TSCA: Not Listed

CERCLA: Not Listed

SARA Title III:

Extremely Hazardous Substance (EHS): Not Listed

Section 312 (Tier II) Ratings:

Fire: No

Sudden Release: No

Reactivity: No

Immediate (acute): No

Delayed (chronic): No

Section 313 (FORM R): No

RCRA (Resource Conservation & Recovery Act)

Status: Not Applicable

1CAA (Hazardous Air Pollutant/HAP): Not Applicable

### 15.2 International Regulations:

Canada:

WHMIS: Pest Control Products not included as defined by the Pest Control Products Act.

DSL/NDSL: There is no control measure imposed on this substance.

### 15.3 State Regulations:

CA Proposition 65: Not Listed

## 16. OTHER INFORMATION

### Use of Substance/Preparation:

Use: SOUTHERN AG SNAIL & SLUG BAIT is used as a molluscicide, or an agent for destroying mollusks. Its active ingredient metaldehyde, once ingested or absorbed by the slugs and/or snails disrupts mucous production vital for locomotion, feeding and reproduction, resulting in death.

Preparation: This product is pelleted and prepared during manufacture. There is no preparation for the applicator.

### Abbreviations:

ACGIH: American Conference of Gov. Industrial Hygienists

ADG: Australian Dangerous Goods

ADR: Carriage of Dangerous Goods by Road (Europe)

A.I.: Active Ingredient

CAA: Clean Air Act

CAS: Chemical Abstracts Service Registry Number

CERCLA: Comprehensive Environmental Response Compensation and Liability Act

DSL/NDSL: Domestic/Non-Domestic Substance List

ERAP: Emergency Response Assistance Plan (Canada)

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act

GHS: Globally Harmonized System of Classification

IATA: Integrated Approaches to Testing and Assessment

NA: Not Applicable

IMO: International Maritime Organization

OSHA: Occupational Safety and Health Administration

RCRA: Resource Conservation and Recovery Act

RED: Reregistration Eligibility Decision

STCC: Standard Transportation Commodity Code

STEL: Short Term Exposure Limit (15 minutes)

TDG: Transportation of Dangerous Goods (Canada)

TLV: Threshold Limit Values

TSCA: Toxic Substance Control Act Inventory

TWA: Time Weighted Average (8 hours)

USEPA: United States Environmental Protection Agency

WHMIS: Workplace Hazardous Materials information System

Revisions: This SDS was reformatted to comply with the new Hazard Communication Standard dated September 2nd, 2015. The information compiled in this safety data sheet is believed to be accurate and is given in good faith, but it is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. No warranty or guarantee, expressed or implied, is made regarding performance, stability or otherwise, of this product, as the manner and conditions of use, handling, storage and other factors may involve other additional safety or performance considerations. No suggestions for use are intended as, and nothing herein shall be constructed as a recommendation to infringe any existing patents or violate International, Federal, State, Tribal, or local laws.

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