



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Improved Slug & Snail Bait

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Improved Slug & Snail Bait
Product number	32070
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 71096-7-7401

Recommended use of the chemical and restrictions on use

Molluscicide

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA

Telephone	855-270-4776
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Emergency phone number

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

General hazard statement

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

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Acute toxicity, oral, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Eye damage/irritation, Cat. 2A

GHS label elements, including precautionary statements

Pictograms

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Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed
H312 Harmful in contact with skin
H332 Harmful if inhaled
H319 Causes serious eye irritation

Precautionary statement(s)

P264 Wash ... thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
P330 Rinse mouth.
P501 Dispose of contents/container to ...
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P312 Call a POISON CENTER/doctor/.../ if you feel unwell.
P321 Specific treatment (see ... on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification

This pesticide is toxic to mollusks (e.g., clams, oysters, scallops, mussels). This pesticide is toxic to birds and mammals.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
2,4,6,8-Tetramethyl-1,3,5,7-tetraoxacyclooctane (CAS no.: 108-62-3; EC no.: 203-600-2; Index no.: 605-005-00-7)	3.25 %
CLASSIFICATIONS: Flammable solids, Cat. 2; Acute toxicity, Cat. 4. HAZARDS: H228 - Flammable solid; H302 - Harmful if swallowed.	
Trade secret	96.75 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice 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

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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.

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.
In case of skin contact	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.
In case of eye contact	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 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.

Most important symptoms/effects, acute and delayed

No information available.

Indication of immediate medical attention and special treatment needed, if necessary

No information available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water, Carbon Dioxide, Dry Chemical

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.

Special protective actions for fire-fighters

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

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Further information

National Fire Protection Association (NFPA) Ratings:

Health 2
Flammability 1
Reactivity 0
Special N/A

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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 and materials for containment and cleaning up

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. 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.

Reference to other sections

Follow PPE requirements in section 8.

SECTION 7: Handling and storage

Precautions for safe 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.

Conditions for safe storage, including any incompatibilities

Store Hi-Yield Slug & Snail 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 metaldehyde after opening or tearing packaging.

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SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Not necessary unless use generates nuisance 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.

Body protection

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.

Respiratory protection

Not necessary unless use generates nuisance dust then, wear dust mask or respirator.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Pellet
Odor	Mint or Grain
Odor threshold	No information available
pH	5.5 - 7
Melting point/freezing point	246C (474.8 °F)/NA
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	(Butyl Acetate=1) Not Available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

Additional properties

Physical state	Solid
Color	Light Brown

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SECTION 10: Stability and reactivity

Reactivity

Products can be reactive with the introduction of oxidizing agents

Chemical stability

Stable

Possibility of hazardous reactions

Product can be explosive if, when in the form of dust, Mixed with air in the proper proportion.

Conditions to avoid

Direct sunlight, excessive heat and freezing conditions.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Carbon dioxide, carbon monoxide, paraldehyde and acetaldehyde.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Oral: LD50 >5,000 mg/kg

Dermal: LD50 > 5,000 mg/kg

Chronic/Carcinogenicity: Data not available

Teratology: Data not available

Reproduction: Data not available

Mutagenicity: Data not available

Skin corrosion/irritation

No information available.

Serious eye damage/irritation

Eye: Not irritating

Respiratory or skin sensitization

Inhalation: Not Applicable

Germ cell mutagenicity

Data not available

Carcinogenicity

Data not available

Reproductive toxicity

Data not available

Specific target organ toxicity (STOT) - single exposure

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Data not available

Specific target organ toxicity (STOT) - repeated exposure

Data not available

Aspiration hazard

Data not available

SECTION 12: Ecological information

Toxicity

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 and 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 month (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>

SECTION 13: Disposal considerations

Disposal methods

Product disposal

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.

Packaging disposal

Dispose according to local, state and federal regulations.

Waste treatment

Dispose according to local, state and federal regulations. If burning stay out of smoke. Do not

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contaminate lakes, streams, oceans or other waters by discharge of waste effluents or equipment wash waters.

Other disposal recommendations

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.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: Metaldehyde

CAS number: 108-62-3

Listing note: F3-flammable 3rd deg; R1-reactive 1st deg.

Pennsylvania Right To Know Components

Chemical name: 1,3,5,7-Tetroxocane, 2,4,6,8-tetramethyl-

CAS number: 108-62-3

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Metaldehyde

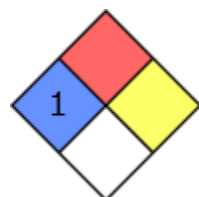
CAS number: 108-62-3

Asterisk: no; Refs: 6

HMIS Rating

Hi-Yield Improved Slug & Snail Bait	
HEALTH	1
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	X

NFPA Rating



SECTION 16: Other information

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Further information/disclaimer

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