

TRIOX Pty Ltd

Material Safety Data Sheet – PESTMASTER Snail & Slug Pellets

Non hazardous according to criteria of NOHSC Australia.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: **PESTMASTER Snail & Slug Pellets**

Synonyms: **Snail Bait**

Use: For the control of slugs and snails.

Supplier: Triox Pty Ltd
ABN: 72 068 066 446
Street Address: 6/707 Mt Alexander Road
Moonee Ponds VIC 3039

Telephone: + 613 9372 9977
Facsimile: + 613 9372 9988

Emergency telephone number: **+613 9372 9977 (9am – 5pm, Monday to Friday)**

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	ENTITY CAS NO.	PROPORTION
Inerts (carrier, attractant etc.)	-	>80%
Metaldehyde tech.	108-62-3	1-3%
Colouring agent	-	<1%
Denatonium benzoate	3734-33-6	<1%
		<hr/> 100%

3. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of NOHSC Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

Risk Phrases: R22, R52. Harmful if swallowed. Harmful to aquatic organisms.

Safety Phrases: S20, S23, S36 When using, do not eat or drink. Do not breath dusts. Wear suitable protective clothing. Avoid contact with skin and eyes.

SUMP Classification: S5

UN Number: None allocated.

GHS Signal Word: **WARNING**

HAZARD STATEMENT:

H302: Harmful if swallowed

H373: May cause damage to organs through prolonged or repeated exposure.

H402: Harmful to aquatic life.

PREVENTION:

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P102: Keep out of reach of children.
P260: Do not breathe dusts.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash contacted areas thoroughly after handling.
P273: Avoid release to the environment.
P281: Use personal protective equipment as required.

RESPONSE:

P314: Get medical advice or attention if unwell.
P352: Wash with plenty of soap and water.
P301+P312: IF SWALLOWED: Call a Poison Centre or doctor if you feel unwell.
P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

STORAGE:

P410: Protect from sunlight.
P402+P404: Store in a dry place. Store in a closed container.
P403+P235: Store in a well ventilated place. Keep cool.

DISPOSAL:

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage.

Emergency Overview:

Physical Description & Colour: Green pellets.

Odour: Mild flour odour

Poisons Schedule (Aust): S5

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with any relevant regulations that may apply in your state or territory.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs seek medical advice.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. Give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically. For the active constituent metaldehyde: Effects may be delayed. Remove metaldehyde by gastric lavage with a 2-5% sodium bicarbonate solution and activated charcoal, effective up to 12-24 hours after swallowing.

5. FIRE-FIGHTING MEASURES

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Specific hazards: Combustible solid. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to safety data sheet "Dust Explosion Hazards".

Fire fighting further advice: Combustible solid. On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal.

LARGE SPILLS

Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal. Wash area down with detergent and excess water.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of dust.

Storage: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with any relevant regulations that may apply in your state or territory.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

Engineering measures: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES (Short).

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Green pellets with faint odour of metaldehyde.

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Solubility: Sparingly soluble in water. Pellets breakdown in contact with water.

Specific Gravity (20 C)	:	N Av	Melting Point (C)	:	N Av
Rel Vapour Density (air=1)	:	N App	Boiling Point (C)	:	N App
Vapour Pressure (20 C)	:	N App	Decomp. Point (C)	:	N Av
Flash Point (C)	:	N App	Sublimation Point	:	N App
Flammability Limits (%)	:	N Av	pH	:	N Av
Autoignition Temp (C)	:	N Av	Viscosity	:	N App
% Volatile by volume	:	N Av	Evaporation Rate	:	N App
Solubility in water(17 C)	:	200 mg/L*	(n-Butyl acetate=1)		

* Value for the active constituent metaldehyde.

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: No information available.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Not normally an inhalation hazard, however if dust is generated, dust may be irritating to the respiratory tract.

Skin contact: Contact with skin may result in irritation.

Eye contact: May be an eye irritant.

Ingestion: Swallowing can result in nausea, abdominal pain and in severe cases of poisoning convulsions.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity

No LD50 data available for product. The components in the proportions present are not considered to represent a hazard under conditions of good occupational work practice. For the active constituent metaldehyde:

Oral LD50(rat):	283 mg/kg
Dermal LD50(rat):	2,275 mg/kg
Inhalation LC50(rat):	203 mg/m ³ /4 hours
SKIN (Rabbit):	Non irritant.
EYE (Rabbit):	Slight Irritant.

Symptoms of metaldehyde poisoning (less than 50 mg/kg) include retching severe vomiting, abdominal pain, temperature elevation, muscular rigidity, and hyperventilation. At doses more than 100 mg/kg symptoms include hyperreflexia, convulsions, coma and possible death.

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Metaldehyde was not genotoxic when assessed in a number of in vitro and in vivo genotoxicity assays. Long term toxicity and reproduction study was conducted in rats fed 0, 200, 1000 and 5000 ppm metaldehyde in the diet. A dose-related development of paralysis was observed in females. Males showed an increase in liver weights. Metaldehyde did affect reproduction at doses which were toxic to female rats but did not affect reproduction at doses which were not toxic to female rats. Metaldehyde was not carcinogenic, or teratogenic at any dose tested.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. For the active constituent metaldehyde:

ENVIRONMENTAL FATE, PERSISTENCE AND DEGRADATION

Not readily degradable.

AQUATIC TOXICITY

Harmful to aquatic organisms.

96 hr LC50 (rainbow trout):	75 mg/L
48 hr EC50 (Daphnia magna):	> 90 mg/L
96 hr IC50 (Algae):	76 mg/L

TERRESTRIAL TOXICITY

Oral LD50 (ducks):	1030 mg/kg
Oral LD50 (quail):	181 mg/kg
Low toxicity to earthworms:	LC50 >3500 ppm.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to criteria of NOHSC Australia.

Poisons Schedule (Aust): S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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16. OTHER INFORMATION

This Material Safety Data Sheet has been prepared by Triox Pty Ltd.

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Triox Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.