

Metarex Snail and Slug Bait

Date of Issue: 17 February 2006

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER**Product Name:** Metarex Snail and Slug Bait**Other Names:** Metaldehyde**Product Code:** None**Recommended Use:** Molluscicide**Supplier:** AgNova Technologies Pty Ltd**Address:** P O 590
Eltham Vic 3095 Australia**Telephone:** 0423 821 395**Facsimile:** (02) 9868 7224**Website:** www.agnova.com.au**Contact:** Managing Director**Emergency Telephone Number:** 0423 821 395**2. HAZARDS IDENTIFICATION****NON- HAZARDOUS SUBSTANCE NON-DANGEROUS GOOD****Hazard Designation:** Not classified as hazardous substance according to the criteria of NOSCH**Risk Phrases:** None**Safety Phrases:** None**ADG Classification:** Not Classified as Dangerous Goods according to ADG Code**SUSDP Classification:** Schedule 6**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients:	CAS Number:	Concentration (w/w):
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Metaldehyde	108-62-3	5 %
Non-hazardous inert ingredients	-	95 %

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Ingestion	Harmful if swallowed. Consult a physician and show him the package or label.
Skin Contact:	Remove contaminated clothing and wash skin thoroughly with soap and water.
Eye Contact:	Immediately flush eyes with water for 15 minutes. Seek medical advice.
Inhalation:	Harmful if inhaled. Remove victim from area of exposure. Seek medical advice if effects persist.
First Aid Facilities:	Provide washing facilities in the workplace
Medical Attention:	No known antidote. Apply a symptomatic treatment.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Dry powder or foam. Avoid, if possible, using a water spray fire extinguisher if there is a risk of polluting sewers and ground water.
Hazards from Combustion Products:	On burning may emit toxic fumes.
Precautions for Fire Fighters:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Wear protective clothing to prevent skin and eye contact. Collect and seal in properly labelled containers for disposal or re-use.

Large Spill: Wear protective clothing to prevent skin and eye contact. Cover with damp absorbent (inert material, sand or soil.) Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers, bags or drums for disposal or re-use. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

Dispose of packaging carefully. Shake bag empty into application equipment. DO NOT dispose of unused product on site. Puncture or shred and bury empty bags in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways desirable vegetation and tree roots. Empty containers and products should not be burnt.

Observe government regulations.

7. HANDLING AND STORAGE

Handling:

Handling Precautions

Harmful if swallowed. Harmful if inhaled. Do not inhale dust.

Wash hands after use.

When opening the container, preparing product for use (loading) and if applying by hand, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length rubber gloves and disposable dust mask. After each day's use, wash gloves and contaminated clothing.

Other Precautions:

Do not use human flaggers/markers unless they are protected by engineering controls such as enclosed cabs.

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 out of the reach of children, animals, food, feedstuff, seed and fertilisers.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:	No exposure limits have been established. NOSCH has not placed metaldehyde on the Schedule for Health Surveillance
Engineering Controls:	Use in well ventilated areas. Keep containers closed when not in use.
Personal Protective Equipment:	When opening the container, preparing product for use (loading) and if applying by hand, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length rubber gloves and disposable dust mask. After each day's use, wash gloves and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green pellets (baits)
Odour:	Metaldehyde
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Boiling Point:	Not applicable
Melting Point:	Not available
Solubility:	Insoluble in water
Bulk Density:	0.834 g/cm ³
pH:	5.86
Flash Point:	70°C at 713 mm Hg
Flammability (explosive) Limits:	Not flammable
Auto-Ignition Temperature:	Not available
Formulation:	Pellets

10. STABILITY AND REACTIVITY

Stability	Product is stable for at least 2 years under ambient storage conditions.
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11. TOXICOLOGICAL INFORMATION**Product**

Oral Toxicity:	LD ₅₀ Oral (ingestion) Rat = > 2000 mg/kg
Dermal Toxicity:	LD ₅₀ Dermal (skin contact) Rat > 2000 mg/kg
Inhalation Toxicity:	Not applicable
Skin Irritation:	Non-irritant
Eye Irritation:	Non-irritant
Sensitisation:	Non-sensitizing
Mutagenicity:	No data available

Significant Data with Possible Relevance to Human Health

No data available

12. ECOLOGICAL INFORMATION

DO NOT contaminate ponds, irrigation channels, drains, streams, rivers or waterways with the chemical or used containers.
Keep away from animals, poultry, ducks and domestic pets as accidental poisoning may be fatal. If pets or livestock are poisoned contact a veterinary surgeon.

Technical Metaldehyde

Fish Toxicity:	Acute LC ₅₀ (Rainbow trout <i>Oncorhynchus mykiss</i>) = 75 mg/L (96 hr)
Daphnia Toxicity:	E C ₅₀ 98.32 mg/L (48 hr) NOEC 65 mg/L
Bird Toxicity:	LD ₅₀ 1582.90 mg/kg Japanese quail LC ₅₀ > 5000 ppm
Bee Toxicity:	LD ₅₀ 100 µg/bee
Other:	Alga EC ₅₀ (72 hrs) 14.10 mg/L NOEC < 0.32 mg/L

Environmental Metaldehyde is aerobically and anaerobically degraded in

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Fate, soil to carbon dioxide and water. It is not readily
Persistence and biodegradable.
Degradation:

13. DISPOSAL CONSIDERATIONS

Dispose of packaging carefully. Shake bag empty into application equipment. DO NOT dispose of unused product on site. Puncture or shred and bury empty bags in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways desirable vegetation and tree roots. Empty containers and products should not be burnt.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

APVMA Approval Number: 58910

16. OTHER INFORMATION

Trademark
Information:

Preparation Initial version
Information:

Data Sources: Manufacturer product safety data and published data

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF MSDS