

Infosafe No™ 3NUBW	Issue Date : August 2022	ISSUED by NUFARMNZ
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 Product Name **SLUGOUT®**

1. Identification

GHS Product Identifier	SLUGOUT®
Product Code	04922
Product Type	Molluscicide
Company Name	Nufarm NZ
Address	Central Park, Building 3, Level 4, 666 Great South Road Ellerslie Auckland 1051 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency phone number	0800 651 911
E-mail Address	nzinfo@nufarm.com
Recommended use of the chemical and restrictions on use	All weather slug and snail bait.

2. Hazard Identification

GHS classification of the substance/mixture	NON-DANGEROUS GOODS.
Other Information	6.8B reproductive or developmental toxicant, 6.9B target organ toxicant, 9.1D aquatic toxicant, TOXICITY Harmful - may cause damage to the liver and may cause reproductive / development damage from repeated oral exposure at high doses. ECOTOXIC Harmful to aquatic organisms.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Metaldehyde	108-62-3	18g/kg
	Ingredients determined to be non-hazardous	-	Balance

4. First-aid measures

First Aid Measures	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Eye contact	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Remove contact lenses, if present and easy to do.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Advice to Doctor	Treat symptomatically. Onset of symptoms may be delayed for several hours. Consider gastric lavage, after intubation, and administration of activated charcoal and a saline

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cathartic. Convulsions may be treated with intravenous (IV) diazepam.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	May emit hazardous smoke and fumes if involved in fires or exposed to extreme heat.
Special Protective Equipment for fire fighters	Full protective clothing and self-contained breathing apparatus.
Specific Methods	Keep up wind. Do not allow washings to reach sewage or effluent systems.
Other Information	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

6. Accidental release measures

Spills & Disposal	Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust (use water to dampen). If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	Avoid skin contact. CERTIFIED HANDLER: Is not required. TRACKING: Is not required RECORD KEEPING: Not applicable
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, domestic animals and poultry. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 10,000kg of SLUGOUT are subject to signage, and more than 10,000kg require emergency response plans.
Other Information	Always read the label and any attached leaflet before use. Aggregate Storage Volume Thresholds: When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protective Equipment	When opening the container or using the product wear safety goggles and impervious gloves.
Hygiene Measures	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

9. Physical and chemical properties

Form	Solid
Appearance	Green pellets
Odour	Acetaldehyde odour

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Solubility in Water	Not soluble.
Vapour Pressure	6600 mPa (metaldehyde, 25°C)
Partition Coefficient: n-octanol/water	Kow Log P is 0.12 (metaldehyde)
Flammability	Combustible
Other Information	(GB) Granular Bait

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. Toxicological Information

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Acute Toxicity - Oral	LD50 (rat) 283 mg/kg for metaldehyde LD50 (Guinea pig) 175mg/kg for metaldehyde
Acute Toxicity - Dermal	LD50 (rat) >5,000 mg/kg for metaldehyde
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >15 mg/l for metaldehyde
Ingestion	Symptoms of mild poisoning include nausea, salivation, vomiting, diarrhoea, abdominal pain and muscle spasms. More severe poisoning may also cause rapid heart beat, respiratory depression and eventual coma.
Inhalation	May cause irritation to the respiratory tract if dusts are inhaled.
Skin	May irritate the skin.
Eye	Dusts may cause slight irritation to the eyes.
Skin Sensitisation	Not a skin sensitiser (Guinea pig)
Reproductive Toxicity	Metaldehyde was not genotoxic when assessed in a number of in vitro and in vivo genotoxicity assays.
Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Serious eye damage/irritation	Mild irritant (rabbit)
Skin corrosion/irritation	Non irritant (rabbit)
Subchronic/Chronic Toxicity	Target Organ Toxicant: Liver A long term reproduction study was conducted in rats which were fed 0, 200, 1000 and 5000ppm metaldehyde in the diet. A dose-related development of paralysis was observed in females. Males showed an increase in liver weights. Metaldehyde affected reproduction only at maternally toxic doses. Metaldehyde was not carcinogenic, or teratogenic at any dose tested.
Other Information	ADI (Acceptable Daily Intake) for humans is 0.0005mg/kg bw/day.

12. Ecological information

Persistence and degradability	Metaldehyde is not rapidly degradable.
Environmental Fate	Metaldehyde is aerobically and anaerobically degraded in soil to carbon dioxide and water.
Bioaccumulative Potential	Risk of bioaccumulation in an aquatic species is low.
Other Precautions	Keep domestic pets and poultry away from treated areas.
Basis for Assessment	Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.

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Acute Toxicity - Fish	LC50 (96hr) for rainbow trout is 75 mg/L for metaldehyde
Acute Toxicity - Daphnia	EC50 (48hr) is >90 mg/L for metaldehyde
Acute Toxicity - Algae	EC50 (96h) for algae 73.5 mg/L for metaldehyde
Acute Toxicity - Other Organisms	LD50 for quail is 170 mg/kg for metaldehyde Dietary LC50 (8d) quail = 3,460ppm for metaldehyde Bees: LD50 (oral) >87µg/bee, (contact) >113µg/bee for metaldehyde

13. Disposal considerations

Product Disposal	Dispose of product only by using according to the label, or at an approved landfill.
Container Disposal	Ensure container is completely empty. Burn in an appropriate incinerator if circumstances, such as wind direction, permit. Otherwise crush and bury in an appropriate landfill.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Not classified as Dangerous Goods for transport in New Zealand.
Other Information	Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

15. Regulatory information

National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P4161 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR000142 See www.epa.govt.nz for approval controls.
Hazard Rating Systems	NFPA/HMIS: 1-1-1

16. Other Information

Date of preparation or last revision of SDS	August 2017
Contact Person/Point	IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE NORMAL HOURS: Emergency Response Co-ordinator: (649) 268 2920 24Hr Tollfree Emergency No: 0800 651 911 24Hr Emergency No: National Poisons Centre Phone: 0800 764 766
Revisions Highlighted	5 yeraly review carried out.
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