

Endure Slug and Snail Bait

ISSUED: 10/03/2008

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	ENDURE SLUG AND SNAIL BAIT
Recommended Use:	A blue coloured pellet used to control slugs and snails
Company Identification:	Ravensdown Fertiliser Co-operative Limited
Address:	Level 1 32 Oxford Terrace Christchurch
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Telephone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency:	111 Fire and Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.1D, 6.8B, 6.9B, 9.1C, 9.3C
Priority Identifiers:	HARMFUL ECOTOXIC
Secondary Identifiers:	6.1D = May be harmful if swallowed or inhaled 6.8B = May cause reproductive damage from repeated oral exposure 6.9B = May cause liver damage from repeated oral exposure 9.1C = Harmful to aquatic organisms 9.3C = Harmful to terrestrial vertebrates

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Metaldehyde	108-62-3	5%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Harmful if inhaled. 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:	Harmful if swallowed. Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately advising name of product.

Skin:	Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
Eye:	If granules are in eyes flush with plenty of water holding eyelids open if necessary.
Advice to Doctor:	No specific antidote. Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Flammability:	If involved in a fire this product will not burn.
Hazardous Combustion Products:	If involved in a fire, may evolve carbon monoxide
Extinguishing Media:	Water fog, foam, carbon dioxide or dry chemical
Protective Equipment:	Full protective clothing and self contained breathing apparatus
HAZCHEM Code:	2X
HSNO requirements:	
Location Certificate:	Not applicable
Hazardous Atmosphere Zone:	Not applicable
Fire Extinguishers:	Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill, sweep up pellets and place in a sealable waste container or use according to label directions. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin and eyes. Avoid inhalation of dust. Approved Handler: Not required Tracking: Not required Record Keeping: Records of use must be kept.
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store away from pets, poultry and livestock. Store in accordance with NZS 8409 Management of Agrichemicals This product is subject to emergency response plan, secondary containment and signage when stored in quantities of 1000kg or more, either alone or in aggregate with substances of the same hazard classification. For full details refer to NZS 8409 Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product by DoL
Protective Equipment:	When opening the container, preparing to measure apply and when contact with granules is likely: wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots. Respiratory protection should be used if exposed to the product in confined areas.

Engineering Controls: Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of dust.

Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue pellets
Odour: None
Density: 0.7-0.9
Solubility in Water: Not applicable
pH in aqueous solution: 5.86
Flash Point Not known
Other Information: [GR] Granular pellets

Section 10: STABILITY AND REACTIVITY

Stability: When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.

Hazardous Polymerisation: Hazardous polymerisation will not occur

Materials to Avoid: None known

Conditions to Avoid: None known

Section 11: TOXICOLOGICAL INFORMATION

ERMA Classifications: 6.1D, 6.8B, 6.9B

Inhalation: **Acute Inhalation** – LC50 (rat) (4hr) 15mg/l for metaldehyde
No adverse effects are to be expected under normal use. Some temporary irritation to the respiratory tract may be experienced if dusts are inhaled.

Ingestion: **Acute Toxicity (Oral)** LD50 (rat) 283g/kg for metaldehyde
Amounts swallowed incidental to normal handling are unlikely to cause injury. Large amounts swallowed may cause injury. Symptoms include: nausea, vomiting, gastrointestinal discomfort and diarrhoea. May cause liver damage from repeated oral exposure

Skin: **Acute Toxicity (Dermal)** LD50 (rabbit) >5000mg/kg

Eye: Dust may irritate the eye.

Chronic Effects: No information available.

Reproductive Toxicity: May cause reproductive damage from repeated oral exposure

Section 12: ECOLOGICAL INFORMATION

ERMA Classifications: 9.1C, 9.3C

Ecotoxicity: **Acute Toxicity (rainbow trout)** LC50 (96hr) 75mg/l for metaldehyde

Acute Toxicity (daphnia magna) EC50 (48hr) >90mg/l for metaldehyde

Acute Toxicity (Algae) EC50 (96hr) 73.5mg/l for metaldehyde

Acute Toxicity (Quail) LD50 170mg/kg for metaldehyde

Persistence/Mobility: Metaldehyde is aerobically and anaerobically degraded in soil to carbon dioxide and water. It is not readily biodegraded

Bioaccumulation: Risk of bioaccumulation in aquatic species is low

Section 13: DISPOSAL INFORMATION

- Product Disposal:** Dispose of product only by using according to label or at an approved landfill
- Container Disposal:** Ensure container is completely empty. Burn in an appropriate incinerator if circumstance, such as wind direction and Local Body District Plans allow. Otherwise crush and bury in an approved landfill. Do not use container for any other purpose.

Section 14: TRANSPORT INFORMATION

- ROAD:**
- | | |
|------------------------------|----------------|
| UN Number: | Not applicable |
| Proper Shipping Name: | Not applicable |
| DG Class: | Not applicable |
| Packing Group: | Not applicable |
| Marine Pollutant: | Not applicable |

Section 15: REGULATORY INFORMATION

- ACVM:** Registered pursuant to the ACVM Act 1997, P7818
See www.nzfsa.govt.nz/acvm/ for registration conditions
- ERMA:** Approved pursuant to the HSNO Act 1996, Code: HSR007794
See www.erma.govt.nz for approval controls.

Section 16: OTHER INFORMATION

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.