

Material Safety Data Sheet

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Infosafe No™ 3NUAG Issue Date :December 2008 ISSUED by CRPCARE CS: 1.4.21

Product Name **Meta® Slug and Snail Pellets**

Not classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Meta® Slug and Snail Pellets
Product Code 1083
Product Type Molluscicide
Company Name Crop Care Australasia Pty Ltd (ABN 53 061 362 347)
Address Unit 15/16 Metroplex Avenue Murarrie
Queensland 4172 Australia
Emergency Tel. 1800 033 498 (24hr Australia)
Telephone/Fax Number Tel: +61 7 3909 2000
Fax: +61 7 3909 2010
Recommended Use For the control of slugs and snails in many agricultural and horticultural situations as per the Directions for Use table on the label.

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous
NON-HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) Not classified as hazardous
Other Information Poisons Schedule S5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

Ingredients	Name	CAS	Proportion
	Metaldehyde	108-62-3	15 g/kg
	Other Ingredients		Balance

4. FIRST AID MEASURES

Inhalation Over-exposure by inhalation is improbable. Check for other causes of observed symptoms and seek medical advice.
Ingestion If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin Wash affected areas thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
Eye If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice.
First Aid Facilities If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor Onset of symptoms may be delayed for several hours. Consider gastric lavage, after intubation, and administration of activated charcoal and a saline 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 Breathable air apparatus should be worn when fighting a fire in which this product is involved.

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6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Collect spilled material and waste in sealable open-top type containers for disposal.
On-site disposal of concentrate is not acceptable.
Recover the product by sweeping up or vacuuming without raising dust.

Clean-up Methods - Small Spillages For appropriate personal protective equipment (PPE), refer Section 8.

Clean-up Methods - Large Spillages Wear eye protection, gloves, boots and overalls.

7. HANDLING AND STORAGE

Precautions for Safe Handling Keep away from animals, poultry, ducks and domestic pets as accidental poisoning may be fatal. Dogs and other animals find this bait attractive and it may kill them. If pets or livestock are poisoned contact a veterinary surgeon.

Conditions for Safe Storage Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been set for this product or the active ingredients.
NOHSC has set the following exposure standard for acetaldehyde (a decomposition product of metaldehyde) : TLV (TWA) 20ppm or 36 mg/m³, STEL 50 ppm or 91 mg/m³.

Engineering Controls Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment It is good practice to wear suitable personal protective equipment (PPE). Recommended safety equipment is:
Plastic or rubber gloves.

Hygiene Measures After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Solid

Appearance Green pellets

Odour Acetaldehyde odour

Solubility in Water Not soluble.

Vapour Pressure 6600 mPa (metaldehyde, 25°C)

Octanol/Water Partition Coefficient Kow Log P is 0.12 (metaldehyde)

Flammability Combustible

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Hazardous Polymerization Hazardous polymerisation is not possible.

11. TOXICOLOGICAL INFORMATION

Inhalation May cause irritation to the respiratory tract if dusts are inhaled.

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.

Skin May irritate the skin.

Eye Dusts may cause slight irritation to the eyes.

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Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Acute Toxicity - Oral	The following data is for the active ingredient, metaldehyde. LD50 (rat) 283 mg/kg
Acute Toxicity - Dermal	LD50 (rat) >5,000 mg/kg
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >15 mg/l
Eye Irritation	Mild eye irritant.
Skin Irritation	Mild skin irritant.
Skin Sensitisation	Product is not a skin sensitiser.
Other Information	The Australian Acceptable Daily Intake (ADI) for metaldehyde for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', September 2007).

12. ECOLOGICAL INFORMATION

Other Precautions	Keep domestic pets and poultry away from treated areas. Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
Acute Toxicity - Fish	The following is data for the active ingredient, metaldehyde. Not toxic to fish. LC50 (96 hr) for rainbow trout is 75 mg/l. EC50 (48hr) for daphnia is >90 mg/l for metaldehyde.
Acute Toxicity - Daphnia	
Acute Toxicity - Algae	LC50 (72hr) for <i>Desmodesmus subspicatus</i> is >200mg/l for metaldehyde
Acute Toxicity - Other Organisms	LD50 for quail is 170 mg/kg Not toxic to bees

13. DISPOSAL CONSIDERATIONS

Product Disposal	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Container Disposal	Shake the last amount of product from the container into the application equipment. Do not use this container for any other purpose. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in 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 product should not be burnt.

14. TRANSPORT INFORMATION

Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Poisons Schedule	S5
Packaging & Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
AICS (Australia)	All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

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Date of preparation or last revision of MSDS Revised 19/12/2008

Contact

Normal Hours: Mr Volker Maier Phone: (03) 9282 1000

Person/Point

After Hours: Shift Supervisor Phone: 1800 033 498

Revisions

The MSDS was reviewed. Minor changes were made to the information.

Highlighted

Other Information

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...End Of MSDS...

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