



# Safety Data Sheet

MSDS No.	190100	Issue Date:	May 2012	Page:	1 of 4
Product Name:	<b>DEFENDER SNAIL &amp; SLUG PELLETS</b>			Version:	2.0

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product name</b>	DEFENDER SNAIL & SLUG PELLETS	
<b>Other name/s</b>	Contains 15g/kg metaldehyde	
<b>Product code/s</b>	190010, 190015, 190090, 190160, 190180, 190185, 190181, 190300, 190305	
<b>Recommended use</b>	Molluscicide	
<b>Manufacturer</b>	SCOTTS AUSTRALIA PTY LTD	
<b>Address</b>	Australia: Level 2, 32 Lexington Drive Bella Vista NSW 2153	New Zealand: Scotts Australia Pty Ltd L4, 152 Fanshawe St Auckland 1140
<b>Telephone</b>	(02) 9602 9000	0800 449 213
<b>Emergency telephone</b>	1800 033 111 (24 hour)	0800 734 607 (24 hour)

## 2. HAZARDS IDENTIFICATION

<b>Hazard classification</b>	<p><b>Australia:</b> Not classified as hazardous according to GHS criteria. Not classified as dangerous goods.</p> <p><b>New Zealand:</b> EPA approval details Classified as hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Not classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land. HSNO classification: 6.8B - Substance that is a suspected human reproductive or developmental toxicant. 6.9B - Substance that is harmful to human target organs or systems. 9.1D - Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action.</p> <p><b>Hazard and precautionary statements:</b> Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life.</p> <p><b>Prevention:</b> Read label before use. Read Safety Data Sheet before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Use personal protective equipment as required.</p> <p><b>Response:</b> If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Collect spillage.</p> <p><b>Storage:</b> Store locked up.</p>
------------------------------	--



# Safety Data Sheet

MSDS No.	190100	Issue Date:	May 2012	Page:	2 of 4
Product Name:	DEFENDER SNAIL & SLUG PELLETS			Version:	2.0

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>		
<b>Name</b>	<b>CAS</b>	<b>Concentration</b>
Metaldehyde	108-62-3	1.5%
Denatonium benzoate (Bitrex)	3734-33-6	<1%
Other ingredients determined not to be hazardous.	-	>95%
<b>4. FIRST AID MEASURES</b>		
<b>Inhalation</b>	If prolonged inhalation of dust occurs, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.	
<b>Ingestion</b>	Wash out mouth with water. If irritation develops and persists seek medical attention.	
<b>Skin</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.	
<b>Eye</b>	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.	
<b>First aid facilities</b>	Normal wash room facilities.	
<b>Advice to doctor</b>	Treat symptomatically	
<b>5. FIRE FIGHTING MEASURES</b>		
<b>Suitable extinguishing media</b>	Use carbon dioxide, dry chemical or foam.	
<b>Specific hazards arising from the chemical</b>	Burning produces obnoxious and toxic fumes.	
<b>Special protective precautions and equipment for fire fighters</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA).	
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
<b>Personal precautions, protective equipment and emergency procedures</b>	Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well, with soap and water. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.	
<b>7. HANDLING AND STORAGE</b>		
<b>Precautions for safe handling</b>	Avoid generating dust. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.	
<b>Conditions for safe storage</b>	Store in a cool dry place, out of moisture. Keep containers closed when not in use. Store in suitable, labelled containers.	
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
<b>National exposure standards</b>	The exposure standard for dust not otherwise specified is 10 mg/m <sup>3</sup> (for inspirable dust) and 3 mg/m <sup>3</sup> (for respirable dust). The limit applies to both Australia and New Zealand.	
<b>Biological limit values</b>	None allocated.	
<b>Engineering controls</b>	Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.	
<b>Respiratory protection</b>	Not required. During industrial applications: Where ventilation is inadequate the use of an Air Purifying Respirator with a Organic Vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.	
<b>Skin protection</b>	Where skin contact is likely to be prolonged or repeated impervious PVC or nitrile rubber gloves are recommended.	
<b>Eye protection</b>	Wear overalls or similar protective clothing. Not normally required. During industrial applications: The use of chemical goggles or safety glasses with side shield protection is recommended. Eye protection should conform with Australian/New Zealand Standard	



# Safety Data Sheet

MSDS No.	190100	Issue Date:	May 2012	Page:	3 of 4
Product Name:	<b>DEFENDER SNAIL &amp; SLUG PELLETS</b>			Version:	2.0

AS/NZS 1337 - Eye Protectors for Industrial Applications.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Green pellets
<b>Odour</b>	Faint sweet odour
<b>pH</b>	Not available
<b>Melting point/ freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flashpoint</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available
<b>Upper/lower flammability limits</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density (Air=1)</b>	Not available
<b>Solubility</b>	Pellets slowly disintegrate in water.
<b>Bulk density/specific gravity</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Specific heat value</b>	Not available
<b>Particle size</b>	Not available
<b>Volatile organic compounds content</b>	Not available
<b>% volatile</b>	Not available
<b>Saturated vapour concentration</b>	Not available
<b>Release of invisible flammable vapours and gases</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions of use.
<b>Chemical stability</b>	Stable under normal conditions of use.
<b>Conditions to avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.
<b>Incompatible materials and possible hazardous reactions</b>	Strong oxidising agents.
<b>Hazardous decomposition products</b>	No decomposition if stored correctly. Hazardous decomposition products may include poisonous gasses/vapours.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	Inhalation of dust may cause irritation to the mucous membrane and upper airways.
<b>Ingestion</b>	May cause irritation to the mouth, oesophagus and stomach. Signs and symptoms may be delayed for several hours following ingestion. These vary with dose taken and may include, but may not be limited to salivation, elevated body temperature, mental confusion, facial muscle cramps, loss of consciousness, convulsions and coma. Death is due to cyanosis and respiratory failure. Non-fatal poisoning can result in kidney and liver damage and memory loss. Recovery can take several weeks.



# Safety Data Sheet

MSDS No.	190100	Issue Date:	May 2012	Page:	4 of 4
Product Name:	<b>DEFENDER SNAIL &amp; SLUG PELLETS</b>			Version:	2.0

<b>Skin</b>	NOTE: This product is toxic to dogs and other pets and may cause death if consumed in sufficient quantities.
<b>Eye</b>	Skin contact may cause mechanical irritation resulting in redness and itching.
<b>Chronic effects</b>	Eye contact may cause mechanical irritation. May result in mild abrasion.
<b>Comments</b>	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Metaldehyde may be fatal to dogs or other pets if eaten. Keep pets out of treated area when baits are present. Read product label for proper application and pet protection.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data is available for this material.
<b>Persistence and degradability</b>	No data is available for this material.
<b>Bioaccumulative potential</b>	No data is available for this material.
<b>Mobility in soil</b>	No data is available for this material.
<b>Environmental protection</b>	Avoid contaminating waterways with product or empty packaging.

## 13. DISPOSAL CONSIDERATIONS

<b>Safe handling and disposal methods</b>	Dispose of waste according to federal, EPA and state regulations.
<b>Disposal of contaminated packaging</b>	Dispose of empty packaging by wrapping in paper, placing in a plastic bag and putting in a garbage bin.
<b>Environmental regulations</b>	No information available.

## 14. TRANSPORT INFORMATION

<b>Transport information</b>	ADG Code: Not classified.
	NZS5433:2007: Not classified.
	IMDG Code: Not classified.
	IATA Regulations: Not classified.

## 15. REGULATORY INFORMATION

<b>Safety, health and environmental regulations</b>	Australia: Not classified as hazardous according to GHS criteria. New Zealand: Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. HSNO Approval Number: HSR000142
<b>Poisons schedule number</b>	5- CAUTION

## 16. OTHER INFORMATION

<b>Date of preparation or last revision of SDS</b>	SDS Created: May 2012
<b>Key abbreviations and acronyms used</b>	ADG: Australian Dangerous Goods Code GHS: Globally Harmonised System of Classification and Labelling of Chemicals HSNO: Hazardous Substances & New Organisms IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods