

**Bayer Environmental Science**  
**Material Safety Data Sheet**  
**Baysol® Snail and Slug Bait**



Version / AUS  
10200007387

Revision Date: 15.12.2011

**SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product name: **Baysol® Snail and Slug Bait**  
Other names: None  
Product code (UVP): 4981995  
Recommended use: Molluscicide  
  
Chemical formulation: Bait (ready for use) (RB)  
  
Company: Bayer Environmental Science  
A Business Operation of Bayer CropScience Pty Ltd  
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**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

<b>HAZARDOUS SUBSTANCE</b>	<b>DANGEROUS GOODS</b>
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Hazardous classification: Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrase(s): R22 – Harmful if swallowed.  
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s): See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: Not a “Dangerous good” for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Baysol Snail and Slug Bait is a MARINE POLLUTANT. See Section 14.

SUSMP classification (Poison Schedule): Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons).

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature: Methiocarb 20.0 g/kg

Chemical Name	CAS-No.	Concentration [%]
Methiocarb (mercaptodimetur)	2032-65-7	20
Calcium sulphate	7778-18-9	75
Butylated hydroxy toluene	128-37-0	2

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Other ingredients (non-hazardous) to 100 %		
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**SECTION 4. FIRST AID MEASURES**

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

**Inhalation**

Presentation as pellets makes inhalation unlikely.

**Skin contact**

Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

**Notes to physician**

**Symptoms**

Local: Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes.  
Systemic: Salivation, flushing, dizziness, abdominal pain, discomfort in the chest, muscle twitching, convulsions, respiratory failure, headache, vomiting, diarrhoea, sweating, blurred vision, low blood pressure, nausea.

**Risks**

This product contains a cholinesterase inhibitor carbamate.

**Treatment**

Monitoring of respiratory, cardiac and central nervous system.  
Monitoring of the blood picture.  
Observe specific parameters: red blood cell and plasma cholinesterase.  
ECG - monitoring (Electrocardiogram).  
Endotracheal intubation and gastric lavage, followed by administration of charcoal.  
Keep airway clear, administer artificial respiration if necessary.  
Against convulsions: give diazepam. For adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.  
Treatment for adults: for all cases a high dose of atropine (2 to 4 mg) repeated every 10 to 15 minutes as needed.  
Contraindications: oximes (pralidoxime, obidoxime), succinyl choline, aminophylline.

**Veterinary**

Dogs find this bait attractive and if ingested it may kill them. If a dog eats pellets take it to a veterinarian immediately.  
NB. Ipecac Syrup is not an effective emetic for dogs and is not recommended.



## SECTION 5. FIRE FIGHTING MEASURES

### Suitable extinguishing media

Use water spray, foam, sand or carbon dioxide.

### Extinguishing media which should not be used for safety reasons

High volume water jet.

### Precautions for fire-fighting

In the event of fire and/or explosion do not breathe fumes.

In the event of fire, wear self-contained breathing apparatus.

Contain the spread of the fire-fighting media.

Do not allow run-off from fire fighting to enter drains or water courses.

**Hazchem Code** 2Z

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid contact with spilled product or contaminated surfaces.

Use personal protective equipment.

### Environmental precautions

Do not allow to get into surface water, drains and ground water.

### Methods for cleaning up

Use mechanical handling equipment.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Keep in suitable, closed containers for disposal.

### Additional advice

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

## SECTION 7. HANDLING AND STORAGE

### Handling

Hygiene measures:

Avoid contact with skin, eyes and clothing.

Wash hands immediately after handling the product.

Remove soiled clothing immediately and clean thoroughly before using again.

Advice on safe handling:

Use only in area provided with appropriate exhaust ventilation.

### Storage

Requirements for storage areas and containers:

Keep out of the reach of children and pets.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Store in original container.

Store in a place accessible by authorized persons only.

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Advice on common storage:  
Keep away from food, drink and animal feedingstuffs.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Calcium sulphate	7778-18-9	10 mg/m <sup>3</sup> (TWA)		NOHSC

For further details on the Occupational Exposure Standards, see Section 16.

**Personal protective equipment – End user**

General advice: No special protective equipment required.

Hand protection: Rubber gloves are recommended as good practice.

**Engineering Controls**

Advice on safe handling:

- Avoid contact with skin, eyes and clothing.
- Keep working clothes separately.
- Wash hands before breaks and immediately after handling the product.
- Remove soiled clothing immediately and clean thoroughly before using again.
- Garments that cannot be cleaned must be destroyed (burnt).

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form: Pellets  
Colour: Blue  
Odour: Weak, characteristic

**Safety data**

pH: 5.5-6.5 (10 % in water)  
Flash point: No data available  
Flammability (solid, gas): No data available  
Ignition temperature: No data available  
Autoignition temperature: No data available  
Upper explosion limit: No data available  
Lower explosion limit: No data available  
Vapour pressure: No data available  
Relative vapour density: No data available  
Density: 164 (loose) / 148 (packed) mL/100 g

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Water solubility:	The pellets swell in water
Partition coefficient: n-octanol/water:	No data available
Impact sensitivity:	No data available
Explosivity:	No data available

#### SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Thermal decomposition can lead to release of: Hydrogen cyanide Carbon monoxide Methyl isocyanate Sulphur dioxide Nitrogen oxides
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Potential health effects

Inhalation:	Inhalation not likely.
Skin:	Poisonous if absorbed by skin contact, but this route of exposure is unlikely. Not expected to irritate the skin.
Eye:	May cause eye irritation.
Ingestion:	Harmful if swallowed.
Acute oral toxicity:	LD <sub>50</sub> (rat) > 5, 00-<1,000 mg/kg
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 2,000 mg/kg
Acute inhalation toxicity:	LC <sub>50</sub> (4 h) rat: > 0.224 mg/L Dustable powder – highest producible concentration
Skin irritation:	No skin irritation (rabbit).
Eye irritation:	No eye irritation (rabbit).
Sensitisation:	Non-sensitizing (guinea pig). OECD Test Guideline 406, Buehler test



**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

Toxicity to fish: LC<sub>50</sub> (*Lepomis macrochirus* (Bluegill sunfish)) 0.65 mg/L  
Exposure time: 96 h  
The value mentioned relates to the active ingredient methiocarb.

Toxicity to aquatic invertebrates: EC<sub>50</sub> (*Daphnia magna* (Water flea)) 0.0077 mg/L  
Exposure time: 48 h  
The value mentioned relates to the active ingredient methiocarb.

Toxicity to aquatic plants: EC<sub>50</sub> (*Desmodemus subspicatus*) 2.2 mg/L  
Growth rate Exposure time: 72 h  
The value mentioned relates to the active ingredient methiocarb.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage. DO NOT burn empty containers or product.

**SECTION 14. TRANSPORT INFORMATION**

**ADG**

UN-Number: **3077**  
Class: 9  
Subsidiary risk: None  
Packaging group: III  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)  
Hazchem Code: 2Z

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

**IMDG**

UN-Number: **3077**  
Class: 9  
Subsidiary risk: None  
Packaging group: III  
EmS: F-A , S-F  
Marine pollutant: YES  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)

**IATA**

UN-Number: **3077**  
Class: 9  
Subsidiary risk: None  
Packaging group: III  
Environm. hazardous mark: YES  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.



(IMIDACLOPRID MIXTURE )

**SECTION 15. REGULATORY INFORMATION**

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 51851.

See also Section 2.

**SECTION 16. OTHER INFORMATION**

**Trademark information**

Baysol® is registered trademark of Bayer.

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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

**Further details on the Occupational Exposure Standards mentioned in Section 8:**

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

SKIN\_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF MSDS