

MATERIAL SAFETY DATA SHEET

Premise Cockroach Gel

Date of Issue: October 15, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Premise Cockroach Gel
Other names: None
Product code: 1018700
Recommended use: Insecticidal bait gel for cockroach control.
Supplier: Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn Victoria 3123, Australia
Telephone: (03) 9248 6888
Facsimile: (03) 9248 6800
Website: www.bayercropscience.com.au
Contact: Technical Manager (03) 9248 6854
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

May irritate skin. Not irritating to eyes. Not flammable.

Hazard designation: Not classified as hazardous according to criteria of Worksafe Australia
Risk phrases: Not applicable
Safety phrases: Not applicable
ADG classification: Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/L):
Imidacloprid	[138261-41-3]	21.5 g/kg
Inert constituents	Various	>970 g/kg

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 a doctor.

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Inhalation:	The presentation as a gel means inhalation is unlikely.
Skin contact:	Wash skin immediately with copious amounts of soap and water.
Eye contact:	Rinse eyes thoroughly with water.
Ingestion:	Not available
First Aid Facilities:	Provide washing facilities in the workplace.
Symptoms:	In the unlikely event of ingestion of sufficient quantities of the gel product to cause poisoning symptoms of intoxication that may arise include: apathetic state, depressed muscular tone, respiratory disturbance and trembling. Muscular cramps are also possible in severe cases of poisoning.
Medical attention:	Apply basic aid and decontamination procedures. Treat symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Carbon dioxide, water, dry agent, foam
Hazards from combustion products:	No information available.
Precautions for fire fighters:	Fight fire in the early stages if safe to do so. Wear respiratory protection. Well ventilated areas: wear full face mask with combination filter eg., ABEK-P2 (offers no protection from carbon monoxide) Enclosed premises: wear respirator with independent air supply. Make provision for product and firefighting water to be retained.

6. ACCIDENTAL RELEASE MEASURES

Spillages of this product are unlikely to enter the environment due to the unit dose method of packaging.

If spillage does occur, prevent spillage from spreading or entering waterways and underground drains.

Sweep up spillage and place in a sealable container.

On completion of clean-up, scrub area with detergent and water and rinse with water. Do not smoke, eat or drink during clean-up operations.

7. HANDLING AND STORAGE

Handling:	Keep out of reach of children.
Storage:	Store below 30°C

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Do not store in direct sunlight. Store in the closed, original carton in a cool place.
Do not destroy carton while product remains.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards:	NOHSC exposure standards have not been established for imidacloprid or for any of the inert constituents of this formulation.
Engineering controls:	No engineering controls are required in the normal use of this product.
Personal Protective Equipment:	None required during normal use. Wash hands after use. Place bait spots out of reach of children or pets.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to beige colour gel
Odour:	Slight characteristic smell
Vapour pressure:	2×10^{-9} hPa at 20°C (active constituent)
Vapour density:	Not available
Boiling point:	Not available
Solubility:	Miscible
Density:	Approx 1.2 kg/L
pH:	4.4-5.0 at 1% in water
Flash Point:	No flash point up to 100°C.
Flammability (explosive) limits:	Not applicable
Auto-ignition temperature:	Not available
Octanol/water partition coefficient:	$\log P$ octanol/water = 0.57
Formulation:	Gel bait for control of cockroaches

10. STABILITY AND REACTIVITY

Chemical stability:	Product is not classified as flammable.
Hazardous polymerisation:	None
Conditions to avoid:	Keep away from sources of ignition and strong oxidising agents as a precaution.
Incompatible materials:	Not available
Hazardous	No information available.

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**decomposition
products:**

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: Not available

Skin contact: May irritate the skin

Eye contact: Unlikely to irritate eyes beyond the

Ingestion: Not available

Other: None

ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Oral toxicity: LD₅₀ rat: > 5000 mg/kg

Dermal toxicity: LD₅₀ rat: > 5000 mg/kg i.e practically non-toxic

Inhalation toxicity: Not available

Skin irritation: Slightly irritating – rabbit

Eye irritation: Not irritating – rabbit

Sensitisation: Not sensitising - guinea pig

Chronic:

Animal studies show no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential for imidacloprid.

12. ECOLOGICAL INFORMATION

Do not contaminate ponds, waterways or drains with the chemical or used containers.

Fish toxicity: LC₅₀: 237 mg/L (96h) Golden Orfe (*Leuciscus idus*)
LC₅₀: 211 mg/L (96h) Rainbow Trout (*Salmo gairdneri*)

Daphnia toxicity: EC₅₀: 0.055 mg/L (48h) *Hyalella azteca*

Toxicity to algae: IC₅₀ (growth rate): >10 mg/L (96h) green algae (*Scenedesmus subspicatus*)

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Bird toxicity: Not available

Bee toxicity: Not available

Other: No further information

Environmental fate, persistence and degradation: Not available

13. DISPOSAL CONSIDERATIONS

1) After intended use:
Wrap used packaging in paper, place in a plastic bag and put in garbage.

2) After spill or accident:
Dispose of sealed containers at an approved local waste disposal site.

14. TRANSPORT INFORMATION

UN number: Not applicable

Proper shipping name: Not applicable

Class and Subsidiary Risk: Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packing Group: Not applicable

EPG: Not applicable

Hazchem code: Not applicable

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority Approval Number: 49098

16. OTHER INFORMATION

Trademark information: Premise® is a Registered Trademark of Bayer

Preparation information: Replaces July 23, 1999 edition.
Reason for update: Conversion to 16 heading format.

Data sources: Bayer CropScience Pty Ltd product safety data and published data

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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.

END OF MSDS