



# MATERIAL SAFETY DATA SHEET

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Date of Issue: March 2009

## Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **ROACHKILL COCKROACH GEL BAIT**

**Company:** Agspec Australia Pty Ltd.  
**Address:** Lot 1 Wandilo Road,  
Mt Gambier, SA, 5290  
**ACN/ABN:** 40 109 573 953  
**Telephone Number:** 0427 490 551 **Fax Number:** 08 8125 6555  
**Emergency Contact:** 0408 180 112

**Full Product Name:** Roachkill Cockroach Gel Bait  
**Use:** Insecticidal gel bait for cockroach control.

## Section 2. HAZARDS IDENTIFICATION

**Not hazardous according to criteria of the ASCC.  
Not classified as a Dangerous Good according to the ADG Code**

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients\*:

<b>CHEMICAL</b>	<b>CAS Number</b>	<b>PROPORTION</b>
Imidacloprid	138261-41-3	21.5 g/kg
Min. 1.5% aqueous mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	0.09 g/kg
Other ingredients determined not to be hazardous		Balance

\* The formulation of this product is proprietary information

## Section 4. FIRST AID MEASURES

### FIRST AID

**Ingestion:** If poisoning occurs seek medical advice.  
**Eye contact:** Unlikely to be an eye hazard. However, if eye contact is made hold eyes open, flood gently with water and see a doctor if irritation persists.  
**Skin contact:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Seek medical advice if irritation persists.  
**Inhalation:** Remove to fresh air.  
**Symptoms:** Symptoms of intoxication that may arise if the product is mishandled include nausea, abdominal pain and diarrhoea. Muscular cramps, apathetic state, depressed muscular tone, respiratory disturbance and trembling are also possible in severe cases of poisoning.

Medical attention: Treatment: Basic aid, decontamination, symptomatic treatment.

**Section 4. FIRST AID MEASURES (Continued)**

**Advice to Doctor:** Check blood pressure and pulse rate frequently since bradycardia and hypotension are possible. Provide supportive measures for respiratory and cardiac function. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastro-lavage, saline laxatives). No specific antidote known.

**Contraindications:** Absorption promoting agents such as alcoholic beverages and milk. Oils and fats are of no special significance due to the low liposolubility of the active ingredient.

**Section 5. FIRE FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide, water, dry agent, foam.

**Hazards from combustion products:** In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.

**Precautions for fire-fighters and special protective equipment:** Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.

**Section 6. ACCIDENTAL RELEASE MEASURES**

**Emergency procedures / Material and methods for containment and cleanup procedures:** Dealing with spills and disposals may result in the potential for increased personal exposure. Protective clothing and equipment as described in the PERSONAL PROTECTION section should be worn. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Contain spill, sweep up or shovel and place in properly labelled sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority.

**Section 7. HANDLING AND STORAGE**

**Precautions for safe handling:** Keep out of reach of children. Wash hands after use.

**Conditions for safe storage:** Store below 30°C. Do not store in direct sunlight. Store in the closed, original carton in a cool, dry place. Do not destroy carton while product remains.

**Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

ASCC exposure standards have not been established for imidacloprid or for any of the inert constituents of this formulation.

**Biological Limit Values:**

No biological limit allocated.

**Engineering controls:**

No engineering controls are required in the normal use of this product.

**Personal Protective equipment (PPE):**

None required during normal use. Wash hands after use. Place bait spots out of reach of children or pets.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White to beige coloured gel.
<b>Odour:</b>	Slight characteristic odour.
<b>Vapour pressure:</b>	$2 \times 10^{-9}$ hPa @ 20°C (active constituent - imidacloprid).
<b>Boiling point:</b>	Not applicable.
<b>Freezing point:</b>	Not applicable.
<b>Density:</b>	1.2 kg/L.
<b>Solubility in Water:</b>	Miscible in water.
<b>Flammability:</b>	Not applicable.
<b>Corrosive hazard:</b>	Not corrosive.
<b>Flashpoint (°C):</b>	No flash up to 100°C.
<b>Flammability Limits (%):</b>	Not established.
<b>Poisons Schedule:</b>	Not classified as a scheduled poison.

**Section 10. STABILITY AND REACTIVITY**

**Chemical Stability:** Product is considered stable. Product is not classified as flammable.

**Conditions to avoid:** Keep away from sources of ignition and strong oxidising agents as a precaution.

**Incompatible materials:** Not available.

**Hazardous Decomposition Products:** In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

**Hazardous Reactions:** Not available.

**Section 11. TOXICOLOGICAL INFORMATION****Potential Health Effects:****ACUTE EFFECTS**

Swallowed: Not available. LD<sub>50</sub> rat: > 5000 mg/kg.

Eye: Unlikely to irritate eyes. Not irritating to rabbit eyes.

Skin: May irritate the skin. Not sensitising. LD<sub>50</sub> rat: > 5000 mg/kg i.e. practically non-toxic.

Inhaled: Due to the nature of this product, inhalation is unlikely.

**Long Term Exposure:** Animal studies show no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential for imidacloprid.

**Section 12. ECOLOGICAL INFORMATION**

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

**Environmental Toxicity:**

Fish toxicity: LC<sub>50</sub> = 237 mg/L (96 h); golden orfe (*Leuciscus idus melanotis*), 211 mg/L (96 h) rainbow trout (*Oncorhynchus mykiss*). EC<sub>50</sub> = 85 mg/L (48 h) *Daphnia magna*. EC<sub>50</sub> > 100 mg/L (72 h) green alga (*Pseudokirchneriella subcapitata*).

Bird toxicity: Acute oral LD<sub>50</sub> = 31 mg/kg Japanese quail, 152 mg/kg bobwhite quail. Bee toxicity: Dangerous to bees. Other - No information.

**Environmental fate:**

Imidacloprid shows a medium adsorption to soil. Classified as immobile in soil. Not expected to leach.

**Section 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.

**Section 14. TRANSPORT INFORMATION**

Not classified as Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail, International Maritime Dangerous Goods (IMDG) Code or the International Air Transport Association (IATA).

**Section 15. REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Drugs and Poisons (SUSDP), this product is not a scheduled poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. APVMA No. 63056.

This product is not classified as a Hazardous Substance under the criteria of the ASCC.

This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Section 16. OTHER INFORMATION**

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Key to abbreviations and acronyms used in this MSDS:

ADG Code	Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).
ASCC	Australian Safety & Compensation Council (formally known as the National Occupational Health & Safety Commission (NOHSC)).
Carcinogen	An agent which is responsible for the formation of a cancer.
Genotoxic	Capable of causing damage to genetic material, such as DNA.
NOHSC	National Occupational Health and Safety Commission.
Oncogenic	An agent that is capable of causing cancer.
PPE	Personal protective equipment.
Teratogen	An agent capable of causing abnormalities in a developing foetus.
TWA	The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.
STEL	Short Term Exposure Limit.

**References**

1. "Search Hazardous Substances". Australian Safety and Compensation Council website. (2009).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.

*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.*

End MSDS