

Material Safety Data Sheet

BLATTATHOR* Gel Cockroach Bait

Section 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

This product is **NOT** classified as Hazardous according to the criteria of NOHSC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

This Product is Approved for Use in Food Handling Areas.

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Substance: Ready-to-use gel cockroach bait.

Trade Name: Blattathor Gel Cockroach Bait.

Product Use: Insecticidal bait for use as described on the product label.

Creation Date: December, 2004

Revision Date: February, 2009

Section 3 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This product is **NOT** classified as hazardous according to the criteria of NOHSC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Safety Phrases: Poisonous if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin.

SUSDP Classification: None allocated

ADG Classification: None allocated. Not a Dangerous Good.

UN Number: None allocated

Emergency Overview

Physical Description & colour: Clear gel.

Odour: Negligible.

Major Health Hazards: Abamectin is harmful via the oral route or excessive direct contact with skin.

Potential Health Effects

See section 11 for Chronic exposure studies.

Inhalation:

Short term exposure: Unlikely due to product presentation.

Skin Contact:

Short term exposure: Product may be harmful. May cause mild transient discomfort in sensitive persons.

Eye Contact:

Short term exposure: This product may cause transient discomfort.

Ingestion:

Short term exposure: This product may be harmful if swallowed.

Carcinogen Status:

NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Abamectin	71751-41-2	0.05%	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

Section 4 - FIRST AID MEASURES

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned or irritated by this product. The number is 13 11 26 from anywhere in Australia and is available at all times.

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered.

Skin Contact: If significant skin contact occurs, wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until product is removed.

Eye Contact: Gently blot or brush product away. Flush contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

Ingestion: Contact Poisons Information Centre or doctor. Induce vomiting if more than 30mins from a doctor.

Section 5 - FIRE FIGHTING MEASURES

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Does not burn.

Flammability Class: Does not burn.

Section 6 - ACCIDENTAL RELEASE MEASURES

Accidental release: Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear protective clothing including face shield and gloves. Stop leak and contain spill.

Sweep/wipe up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing run-off from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Launder clothing before storage or re-use.

Section 7 - HANDLING AND STORAGE

Handling: Keep exposure to a minimum, and minimise the quantities kept in work areas.

Storage: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Check packaging - there may be further storage instructions on the label.

Section 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Limits

Exposure limits have not been established by NOHSC for any of the significant ingredients in this product.

Ventilation: No special ventilation requirements are normally necessary for this product.

Eye Protection: Not required.

Skin Protection: Not required.

Respirator: Not required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	Clear gel.
Odour:	Negligible.
Boiling Point:	Approx 100° Celsius.
Freezing/Melting Point:	Approx 0° Celsius.
Volatiles:	No specific data. Expected to be low at 100°C.
Water Solubility:	Negligible.
Autoignition temp:	Not applicable - does not burn..

Section 10 - STABILITY AND REACTIVITY

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Store in the closed original container in a dry, ventilated area out of direct sunlight.

Incompatibilities: No particular incompatibilities.

Fire Decomposition: Only small quantities of decomposition products are expected at temperatures normally achieved in a fire. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke.

Polymerisation: This product is unlikely to undergo polymerisation processes.

Section 11 - TOXICOLOGICAL INFORMATION

In a one-year study with dogs given oral doses of 0, 0.25, 0.5, or 1 mg/kg/day, there were no changes in tissue at any dose level. Some dogs at the 0.5 and 1mg/kg/day levels showed nervous system effects leading to a NOEL of 0.25mg/kg/day. Similar results were observed in a two year study in rats with a few individuals in the high (2mg/kg/day) group exhibiting effects. When mice were fed 8mg/kg/day (highest dose tested), for 94 weeks, the males developed dermatitis and changes in blood formation in the spleen, while females exhibited tremors and weight loss. In rats, the pup toxicity NOEL was 0.12mg/kg/day. At 0.40 mg/kg/day, there were increased stillbirths, decreased pup viability, decreased lactation and decreased pup weights.

Abamectin has produced cleft palate in the offspring of treated mice and rabbits, but only at doses that were also toxic to the mothers. There were no birth defects in the offspring of rats given up to 1mg/kg/day.

The microbial mutagenesis and mutagenicity tests in live mice were negative. One test on rat liver cell cultures was positive.

Abamectin was not carcinogenic in rats or mice fed the maximum tolerated doses. The rats were fed dietary doses of 0.75, 1.5, or 2 mg/kg/day for 24 months, and the mice were fed 2, 4, or 8 mg/kg/day for 22 months. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Section 12 - ECOLOGICAL INFORMATION

Environmental Properties: Abamectin is very toxic to aquatic species. Do not contaminate sewers, drains, dams, creeks or any other waterways with product or the used container.

Effects on birds: Abamectin is practically non-toxic to birds. The LD₅₀ for abamectin in bobwhite quail is >2000 mg/kg. The dietary LC₅₀ is 3,102 ppm in bobwhite quail. There were no adverse effects on reproduction when mallard ducks were fed dietary doses of 3, 6, or 12 ppm for 18 weeks.

Breakdown in water: Abamectin is rapidly degraded in water. After initial distribution, its half-life in artificial pond water was 4 days. Its half-life in pond sediment was 2 to 4 weeks. It undergoes rapid photodegradation, with a half-life of 12 hours in water. When tested at pH levels common to surface and groundwater (pH 5, 7, and 9), abamectin did not hydrolyse.

Breakdown in vegetation: Plants do not absorb abamectin from the soil. Abamectin is subject to rapid degradation when present as a thin film, as on treated leaf surfaces. Under laboratory conditions and in the presence of light, its half-life as a thin film was 4 to 6 hours.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

Section 14 - TRANSPORT INFORMATION

ADG Code: This product is not a Dangerous Good. No special transport conditions necessary.

Section 15 - REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

Section 16 - OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

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 must review this MSDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Ensysyex so we can attempt to obtain additional information from our suppliers

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.

Please read all labels carefully before using product.