

# Material Safety Data Sheet

## Requiem\* Termite 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.**

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**Substance:** An insect development inhibitor type insecticide.

**Trade Name:** Requiem Termite Bait

**Product Use:** for use as part of the Exterra Termite Interception and Baiting System for the management of subterranean termite infestations. **Please read all labels carefully before using product.**

**Creation Date:** January, 2005

**Revision Date:** September, 2007.2

### Section 2 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Chlorfluazuron	71422-67-8	0.1%	not set	not set
Other non hazardous ingredients	secret	99.9%	not set	not set

### Section 3 - Hazards Identification

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:** Not Hazardous - No criteria found.

**SUSDP Classification:** None allocated

**ADG Classification:** None allocated. Not a Dangerous Good.

**UN Number:** None allocated

### Emergency Overview

**Physical Description & colour:** White – pale yellow powder.

**Odour:** Odourless.

**Major Health Hazards:** None. This product is considered non-toxic.

### Potential Health Effects

**Inhalation:**

**Short term exposure:** Available data indicates that this product is not harmful.

**Skin Contact:**

**Short term exposure:** Available data indicates that this product is not harmful.

**Eye Contact:**

**Short term exposure:** Available data indicates that this product is not harmful.

**Ingestion:**

**Short term exposure:** Available data indicates that this product is not harmful.

**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 4 - First Aid Measures

### General Information:

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

**Inhalation:** Unlikely to occur. Remove from source of dust to fresh air.

**Skin Contact:** Wash with soap and water after use and before eating, drinking or smoking.

**Eye Contact:** No effects expected. If irritation does occur, flush eye(s) with lukewarm, gently flowing water for 5 minutes. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

**Ingestion:** Not likely to be toxic in amounts that could be ingested in a single dose. Choking or obstruction (due to inert ingredient) is the most likely hazard from a single dose.

## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** Under normal circumstances there is no risk of an explosion from this product if it is involved in a fire. No toxic decomposition products are expected from this product at temperatures normally achieved in a fire.

**Extinguishing Media:** Use CO<sub>2</sub>, Foam or dry chemical.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Upper Flammability Limit:** Not applicable.

**Lower Flammability Limit:** Not applicable.

**Auto ignition temperature:** Not applicable.

**Flammability Class:** None.

## Section 6 - Accidental Release Measures

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Stop leak and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

## Section 7 - Handling and Storage

**Handling:** Keep exposure to a minimum.

**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

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

**Eye Protection:** Eye protection is not required when this product is being used.

**Skin Protection:** Not normally required.

**Respirator:** No respirator is necessary when using this product.

## Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** White – pale yellow powder.

**Odour:** No odour.

**Volatiles:** None.

**Specific Gravity:** Approx 0.25

**Water Solubility:** Disperses in water.

**pH:** Approx pH 7.

**Auto ignition temp:** Will burn with excess heat.

## 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 Ensystem for advice on shelf life properties.

**Conditions to Avoid:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid strong oxidisers.

**Incompatibilities:** Strong oxidisers.

**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

The oral LD<sub>50</sub> (rat) for this product is in excess of 5,000mg/Kg. The dermal LD<sub>50</sub> (rat) for this product is >5,000mg/kg. At these levels there were no effects on the test population. No particular abnormalities were observed in reproduction tests on rats, and teratogenicity was not observed in tests on rats and mice. The results of all mutagenic tests for reverse mutation, aberrant chromosomes and DNA repair were negative. In general pharmacological tests, the effects of large doses of chlorfluazuron on the central nervous system, respiration, blood pressure and electrocardiograms were studied, but no abnormalities were observed.

## Section 12 - Ecological Information

Chlorfluazuron, is a chitin synthesis inhibitor. It is used with high safety. The major route of toxicity to insects is ingestion, and it has no root systemic or foliar translaminar activity. It causes no problems of phytotoxicity to almost all crops. It is highly safe to bees. In all trials, local contact, dipping and feeding, bees have not been affected with regard to maintaining normal activities as colonies. It is metabolised in rats by cleavage of the urea bridge and slowly degraded in plants in a similar manner. The half-life in soil varies from c. 6 weeks to a few months. It is slowly degraded in water, with a DT<sub>50</sub> for aqueous photodegradation of 20 hours.

This product can be hazardous to aquatic arthropods. Do not place Requiem in any area where, due to movement of water, it could be washed into a body of water containing aquatic life, e.g. ponds or streams.

## Section 13 - Disposal Considerations

**Disposal:** Single rinse before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots.

**Waste Disposal:** Puncture and bury empty containers and dispose of unused bait in a local authority landfill. If no landfill is available, bury the containers or unused bait below 500mm in a disposal pit. Empty containers and product should not be burnt.

## Section 14 - Transport Information

**ADG Code:** This product is not a Dangerous Good. No special transport conditions are required.

## 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

### Acronyms:

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