

MATERIAL SAFETY DATA SHEET

This product is harmful if swallowed. It is not a Hazardous Substance according to the criteria of Worksafe Australia

This revision issued: February 2005

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: NEMESIS[®] TERMITE BAIT

Other names: Chlorfluazuron
Formulation type: Termite bait concentrate
Poison Schedule: n/a
Recommended use: An insect development inhibitor type insecticide for use as part of a termite interception and baiting system as per the product label.
Supplier: PCT International Pty Ltd
Address: Unit 1/ 74 Murdoch Cct, ACACIA RIDGE QLD 4110
Telephone: (07) 3711 7022
Fax: (07) 3711 7055
Website: www.pct.au.com
Contact: David Pearson
Emergency telephone No: 1800 630 877

2. COMPOSITION of/ INFORMATION on/ INGREDIENTS

Ingredients	CAS No	Proportion
Chlorfluazuron	71422-67-8	1g/kg
Alpha-cellulose	9004-34-6	to 100%

3. HAZARDS IDENTIFICATION

Hazard Designation: not a Hazardous Substance according to the criteria of Worksafe Australia.

Risk Phrases: not applicable

Safety Phrases: not applicable

SUSDP Classification: none allocated

ADG Classification: none allocated

UN Number: none allocated

4. FIRST AID MEASURES

General Information:	This product is considered to be non-toxic. If suspected poisoning occurs, consult a doctor or the Poisons Information Centre on 131126 .
Inhalation:	Avoid breathing the powder or dust. May cause irritation & coughing. Remove patient to fresh air if discomfort occurs.
Skin Contact:	Non-irritating. The dermal LD ₅₀ for this product has not been determined. However, dermal toxicity for this product is believed to be low based on the product's composition. For chlorfluazuron, the LD ₅₀ for skin absorption in rabbits is greater than 2000 mg/kg.
Eye Contact:	Direct eye contact may cause mild irritation. Flush with plenty of clean water.
Ingestion:	Not likely to be toxic in amounts that could be ingested in a single dose.
Advice to Doctor:	No specific antidote available. Supportive care is required. Treatment should be based on the judgement of the doctor in response to reactions of the patient.

5. FIRE FIGHTING MEASURES

Explosion Hazards:	Non- explosive.
Fire Extinguisher type:	Use water, fog, foam, CO ₂ or dry chemical.
Fire Fighting Procedures & Precautions:	Use positive pressure, self- contained breathing apparatus and full protective equipment.
Hazardous Decomposition Products:	Toxic, irritating fumes may be formed if product is involved in a fire.
Flash Point:	N/a
Flammability Class:	N/a

6. ACCIDENTAL RELEASE/ SPILLS MEASURES

Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500^{mm} of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.

7. HANDLING AND STORAGE

Handling:	No specific precautions are needed in the handling of the product by the end user under normal conditions of use.
Storage:	Store product in sealed original containers in a dry, cool, well ventilated and secure area out of direct sunlight. Store well away from other pesticides, food and feed. Keep out of reach of children, unauthorized persons and animals.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:	Not set.
Ventilation:	No specific requirements in the use of this product.
Personal Protective Equipment:	Not required
Eye Protection:	Not required
Skin Protection:	Not required
Respirator:	Not required

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Description:	White powder
Odour:	No odour
Specific Gravity:	N/a
Water Solubility:	Chlorfluazuron <0.01mg/l at 20°C
Volatility:	N/a
Evaporation Rate:	N/a

10. STABILITY & REACTIVITY

Reactivity:	Stable under normal conditions of use.
Conditions to Avoid:	Excessive heat.
Incompatibilities:	Strong oxidizing agents.
Fire Decomposition:	Toxic, irritating fumes may be formed if the product is involved in a fire.
Polymerisation:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity:	No studies have been undertaken on the product.
Reproductive Effects:	Chlorfluazuron did not interfere with reproduction in animal studies.
Teratogenic Effects:	Chlorfluazuron did not cause birth defects in laboratory animals.
Mutagenic Effects:	Chlorfluazuron has not been shown to cause changes in living cells. The results of all tests for reverse mutation, aberrant chromosomes and DNA repair were negative.
Carcinogenic Effects:	Chlorfluazuron did not cause cancer in long-term animal studies.
Carcinogenic status:	Chlorfluazuron is not considered to be carcinogenic.

12. ECOLOGICAL INFORMATION

Effects on Birds: Not determined.

Effects on Aquatic Organisms: This product is highly toxic to aquatic invertebrates. Bait should not be placed in any area where, because of the movement of water, it could become submersed or could be washed out of a station. Particular care should be taken not to place Nemesis in an area where it could be washed into bodies of water containing aquatic life, such as ponds or streams.

Effects on Other Animals (non-target species): Not determined.

Environmental Persistence & Degradation: Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose of empty, used containers by placing in a disposal pit away from desirable plants and their roots and from watercourses. If recycling, return containers to a recycler or designated collection point. If not recycling, break or crush empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500^{mm} deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN Number: N/a
Proper Shipping Name: N/a
Class and Subsidiary Risk: N/a
Packing Group: N/a
Hazchem Code: N/a

15. REGULATORY INFORMATION

APVMA Approval No: 58922/20x100g/0105

16. OTHER INFORMATION

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

The above information is correct and accurate to the best of our knowledge. However, no warranty, expressed or implied, is made as to its accuracy or completeness of data herein. Further research and investigation may be required for your particular use of this product.

PCT International Pty.Ltd.
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 ACACIA RIDGE Qld 4110