

MATERIAL SAFETY DATA SHEET

This product is harmful if swallowed. It is not a designated Hazardous Substance according to the criteria of Worksafe Australia. This product is approved for use in food handling areas.

This revision issued: August 2005

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: **PRECLUDE[®]** INSECTICIDE

Other names:

Formulation type: Emulsifiable concentrate.
Poison Schedule: n/a
Recommended use: insecticide for use on a range of pests as described on 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
Pyrethrins	8003-34-7	11g/L
Piperonyl Butoxide	51-03-6	22g/L
N-octyl Bicycloheptene Dicarboximide	113-48-4	37g/L
Isoparaffinic Petroleum Oil	64742-48-9	>50g/L
Water		to 100%

3. HAZARDS IDENTIFICATION

Hazard Designation: none

Risk Phrases: none

Safety Phrases: none

SUSDP Classification: none

ADG Classification: none allocated

UN Number: none allocated

4. FIRST AID MEASURES

General Information:	If suspected poisoning occurs, call the Poisons Information Centre on 131126 . Have this MSDS to hand when you call.
Inhalation:	Move patient to fresh air. If patient has stopped breathing or experiences breathing difficulty, seek medical advice.
Skin Contact:	Remove any contaminated clothing, and wash affected area with soap and water for 15 to 20 minutes. If irritation persists, seek medical advice.
Eye Contact:	Hold eye open and flush with water slowly and gently for 15 to 20 minutes. Call a doctor for treatment advice.
Ingestion:	Call a doctor immediately for advice. Do not induce vomiting unless told to do so. Do not give any liquid to the patient. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Will not burn but may release irritating fumes in a fire.
Fire Extinguisher type:	CO ₂ , dry chemical, foam or water suitable for surrounding materials.
Fire Fighting Procedures & Precautions:	Use full protective clothing and self-contained breathing apparatus.
Hazardous Decomposition Products:	Thermal decomposition in an open flame may result in the release of toxic fumes.
Flash Point:	None
Flammability Class:	Non-flammable.

6. ACCIDENTAL RELEASE/ SPILLS MEASURES

Small Spill: If container begins to leak (through puncture, etc.), use absorbent material to collect and contain for salvage or disposal as detailed below. Ventilate area if spill occurred indoors.

Large Spill: Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed below. 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:	Use personal protective equipment as detailed below. Product is harmful if absorbed through the skin. Do not use product where electrical short circuits may result.
Storage:	Store product in the closed, original container, in a secure, well ventilated, dry area, away from temperature extremes. Do not store for prolonged periods in direct sunlight. Ensure that product remains inaccessible to children, animals and unauthorized persons.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:	Not set.
Ventilation:	Not required when product used as per label directions.
Eye Protection:	Wear safety glasses or face shield when preparing product for use.
Skin Protection:	Use PVC gloves when preparing and mixing product, and wear cotton overalls buttoned at the wrists and neck, and chemical-resistant shoes.
Respirator:	Avoid breathing spray mists. Use a respirator in confined spaces or when exposure to mist is possible.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Description:	Beige yellow liquid.
Odour:	Characteristic Pyrethrum odour.
Specific Gravity:	0.998 @ 20°C
Water Solubility:	Emulsifiable
Volatility:	Not established.
Evaporation Rate:	Not established.

10. STABILITY & REACTIVITY

Reactivity:	Stable under normal conditions of storage and use.
Conditions to Avoid:	None known.
Incompatibilities:	None known.
Fire Decomposition:	Thermal decomposition in an open flame may result in the release of toxic fumes.
Polymerisation:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Acute oral toxicity – LD ₅₀ >5,000 mg/Kg (rats). Acute dermal toxicity – LD ₅₀ >2,000 mg/Kg (rabbits). Acute inhalation toxicity – LC ₅₀ >5.0 mg/L
Reproductive Effects:	No birth defects were noted in tests with rats or rabbits.
Teratogenic Effects:	None known.
Mutagenic Effects:	None known.
Carcinogenic Effects:	None known.
Carcinogenic status:	Neither this product nor any of its ingredients are classified as carcinogens.

12. ECOLOGICAL INFORMATION

Effects on Birds: This product is toxic to birds.

Effects on Aquatic Organisms: This product is toxic to fish.

13. DISPOSAL CONSIDERATIONS

Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture 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**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.
Unit 1, 74 Murdoch Cct,
ACACIA RIDGE Qld 4110