

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 revision issued: August 2005

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: **OUTLAST ME[®] INSECTICIDE**

Other names:

Formulation type: Emulsifiable Concentrate

Poison Schedule: S5

Recommended use: insecticide for control of insect 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
Cyfluthrin (micro-encapsulated)	68359-37-5	50g/l
Inert ingredients		to 100%

3. HAZARDS IDENTIFICATION

Hazard Designation: Non-hazardous substance

Risk Phrases: n/a

Safety Phrases: n/a

SUSDP Classification: S5

ADG Classification: none allocated

UN Number: none allocated

4. FIRST AID MEASURES

General Information:	If poisoning occurs, contact a doctor or the Poisons Information Centre on 131126 .
Inhalation:	If mist inhalation occurs, remove patient to fresh air. Keep rested and warm, and seek medical assistance.
Skin Contact:	Remove all contaminated clothing. Wash affected areas with soap and water.
Eye Contact:	Will irritate the eyes. If product gets in the eye, hold open and flush with water for at least 15 minutes.
Ingestion:	If swallowed, seek medical attention. If more than 15 minutes from a hospital, induce vomiting using Ipecac syrup.
Symptoms:	Does not produce specific symptoms of overexposure. Tingling sensations may be felt on skin and mucous membranes. Exposure to spray mist may cause nasal irritation.
Advice to Doctor:	The active ingredient in this product is a synthetic pyrethroid. There is no specific antidote. The primary presenting signs of overexposure usually relate to hyperaesthesia of nerve endings in skin and mucous membranes which have been exposed to the chemical. Treatment is both symptomatic and supportive, with symptoms resolving spontaneously within 24 to 48 hours. In cases of skin contact, it has been reported that topical applications of vitamin E acetate was found to have very high therapeutic value, eliminating almost 100% of the skin pain associated with synthetic pyrethroids.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Product is stable under normal conditions of storage and use. Product will not burn, but will release irritating fumes in a fire.
Fire Extinguisher type:	Sprayed water jet, foam, extinguishing powder, CO ₂ , sand.
Fire Fighting Procedures & Precautions:	Wear respiratory protection with independent air supply. Contain all firefighting water runoff.
Hazardous Decomposition Products:	Thermal decomposition products include hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides.
Flash Point:	>100°C.
Flammability Class:	not applicable.

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 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

Store the product in the original, closed container in a cool, well ventilated, secure area, away from food and foodstuffs. Do not store for prolonged periods in direct sunlight.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:	No standards allocated for Cyfluthrin.
Ventilation:	Not required.
Eye Protection:	Wear goggles or a face shield when preparing or using this product.
Skin Protection:	When preparing the mix, and using the prepared material, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves, and a face shield. Wash hands after using the product, and launder all clothing on a daily basis.
Respirator:	Not required.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Description:	Milky white liquid emulsion.
Odour:	Aromatic.
Specific Gravity:	1.001 kg/L at 20°C
Water Solubility:	Emulsifiable
Boiling Point:	100°C
Vapour Pressure:	27 hPa at 20°C, 134 hPa at 50°C

10. STABILITY & REACTIVITY

Reactivity:	Product is water based and chemically stable.
Conditions to Avoid:	Avoid prolonged sunlight and extremes of temperature.
Incompatibilities:	None known.
Fire Decomposition:	Thermal decomposition products include hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides.
Polymerisation:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Oral LD ₅₀ (rat) 2113(f), 2172(m) mg/kg of formulation. Dermal LD ₅₀ (rat) >5000 mg/kg of formulation. Inhalation LC ₅₀ (rat) >7576 mg/L (4h)
Reproductive Effects:	None known.
Teratogenic Effects:	None known.
Mutagenic Status:	Not mutagenic.
Carcinogenic status:	Not carcinogenic.

12. ECOLOGICAL INFORMATION

Effects on Birds: Not known.

Effects on Aquatic Organisms: Very toxic to aquatic organisms. Do not allow product to reach water courses. Do not contaminate ponds, waterways or drains with product.

Environmental Persistence & Degradation: Not established.

13. DISPOSAL CONSIDERATIONS

Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsings to the spray tank or dispose of the rinsings 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: not applicable
Proper Shipping Name: not applicable
Class and Subsidiary Risk: not applicable
Packing Group: not applicable
Hazchem Code: not applicable

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