

MATERIAL SAFETY DATA SHEET

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

This revision issued: December 2004

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

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

Formulation type: Suspension Concentrate
Poison Schedule: S5
Recommended use: Insecticide for control of a range 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
Deltamethrin	52918-63-5	10g/l
Propylene Glycol	57-55-6	10%
Sorbic Acid	110-44-1	10%
Other ingredients (non- toxic)		<10%
Water		to 100%

3. HAZARDS IDENTIFICATION

Hazard Designation: Not classified as hazardous according to criteria of Worksafe Australia.

Risk Phrases: Not applicable.

Safety Phrases: Not applicable.

SUSDP Classification: S5

ADG Classification: Not classified as dangerous goods for transport by road or rail.

UN Number: None allocated

4. FIRST AID MEASURES

General Information:	If poisoning occurs, contact a doctor or the Poisons Information Centre on 131126 , and follow the advice given. Show this MSDS to a doctor.
Inhalation:	If inhaled, remove patient to fresh air and keep at rest. Loosen tight clothing, and seek medical attention. If breathing stops, start artificial respiration.
Skin Contact:	Carefully remove any contaminated clothing, including footwear, and wash affected areas with plenty of soap and water. Apply Vitamin E cream to reduce irritation if it occurs. If concerned, seek medical attention.
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes, holding eye open. Seek medical attention.
Ingestion:	Do not induce vomiting. Wash out the mouth with water. Keep patient at rest and seek medical advice.
Symptoms:	Headache, dizziness, drowsiness, diarrhoea, nausea, vomiting, burning sensation in the mouth, listlessness, stomach pains, muscular twitching.
Advice to Doctor:	Treat large intakes with gastric lavage, and charcoal administration. There is no antidote known. Diazepam may be useful in controlling hyper-excitability and/ or convulsions. Symptomatic and supportive treatment is indicated. 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. Recovery should be spontaneous. For eye contact, instill local anaesthetic drops, e.g. 1% amethocaine hydrochloride eye drops. Give analgesics as necessary.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	None known.
Fire Extinguisher type:	Water spray, carbon dioxide, foam or dry chemical. Do not use a water jet from a fire hose.
Fire Fighting Procedures & Precautions:	Fire fighters should wear full protective clothing, including self-contained breathing apparatus. If it can be done safely, remove intact containers from the fire. Otherwise, use a soft water spray to cool them. Do not allow water runoff to contaminate local watercourses or drains.
Hazardous Decomposition Products:	None known.
Flash Point:	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

Handling: Keep out of reach of children. Avoid contact with the eyes and skin.
Storage: Store product in its tightly-sealed, original container in a cool, dry, well ventilated area out of direct sunlight. Keep secured and store away from food, drink and animal feedstuffs.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits: No exposure standards have been assigned to this product by Worksafe Australia.

Ventilation: This product is not volatile, but local exhaust ventilation should be used while spraying the diluted mix, if possible.

Personal Protective Equipment: When preparing a mix for spraying, and while applying the spray, wear cotton overalls buttoned to the neck and wrists, and wear a washable hat.

Eye Protection: Wear a face shield while preparing and applying spray.

Skin Protection: Elbow-length PVC gloves should be worn while using the product.

Respirator: Wear an approved respirator with a Class P1 particulate filter while spraying the diluted mix.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Description: White liquid
Odour: Practically no odour
Density: 1.01 at 20°C
Water Solubility: Forms a suspension
Boiling Point: 100°C
Evaporation Rate: Not available

10. STABILITY & REACTIVITY

Reactivity: Stable under normal conditions of usage
Conditions to Avoid: Not available.
Incompatibilities: Oxidising agents, strong acids and alkalis.
Fire Decomposition: Not available.
Polymerisation: Not available.

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity: Deltamethrin is not mutagenic, carcinogenic or teratogenic.
Organ Toxicity: Not available.
Inhalation: Inhalation of diluted spray may cause transient irritation of mucous membranes of the nose, throat and respiratory tract for periods up to 24 hours.

Skin contact:	Skin irritant. Contact, especially with the face, may result in initial stinging or burning sensations, followed by numbing- this effect may persist for several hours.
Eye contact:	Eye irritant.
Ingestion:	Product is harmful if swallowed.
Animal Toxicity Data:	Oral LD ₅₀ rat: > 10,000 mg/kg. Dermal LD ₅₀ rat: > 10,000 mg/kg.

12. ECOLOGICAL INFORMATION

Effects on Birds: Deltamethrin is considered to be slightly toxic to birds.

Effects on Aquatic Organisms: Deltamethrin is considered to be slightly toxic to fish.

Environmental Persistence & Degradation:

Deltamethrin is not persistent in the environment. It is destroyed by soil micro-organisms, and cannot build up in the food chain. However, do not contaminate any watercourses with the product or used containers.

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:	Not applicable.
Proper Shipping Name:	Not applicable.
Class and Subsidiary Risk:	Not classed as dangerous goods for transport by road or rail.
Packing Group:	Not applicable.
Hazchem Code:	Not applicable.

15. REGULATORY INFORMATION

APVMA Approval No: 51943/0602

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.

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