

# MATERIAL SAFETY DATA SHEET



## PCT International Pty Ltd

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# I NSECTI GONE<sup>©</sup>

## I nsecti ci de

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

### 1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

**Product Name:** PCT INSECTIGONE Insecticide  
**Product Code:** none  
**Product Use:** Insecticide for control of a range of insect pests as described on the product label.  
**Poison Schedule:** S5  
**Supplier:** PCT International Pty Ltd  
**ABN:** 44 101 170 923  
**Street Address:** Unit 1 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110  
**Telephone:** + 61 7 3711 7022  
**Facsimile:** + 61 7 3711 7055

**Emergency telephone No: 1800 630 877**

**Other Information:** This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

**MSDS Revision Date:** 18<sup>th</sup> July 2009

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Formulation Type:** Liquid - suspension concentrate

Ingredients	CAS No	Concentration
Deltamethrin	52918-63-5	10 g/L
Propylene Glycol	57-55-6	10 %
Sorbic Acid	110-44-1	10%
Other ingredients not considered to be hazardous		< 10%
Water		to 100%

# MATERIAL SAFETY DATA SHEET

## 3. HAZARDS IDENTIFICATION

**Emergency Overview** Non-Hazardous substance ; Non-dangerous goods

### Physical Appearance

**Form:** Liquid  
**Colour:** White  
**Odour:** Characteristic  
**Water Solubility:** Forms a suspension

### Potential Health Effects

**Eyes:** Irritating to the eyes  
**Skin:** May cause slight irritation  
**Ingestion:** May be slightly toxic based on acute animal studies. Symptoms of poisoning include apathy, muscular cramps, depressed muscular tone, respiratory difficulties and trembling.  
**Inhalation:** May be slightly toxic based on acute animal studies. Exact effects on humans are not known.  
**Primary Routes of Entry:** Eyes, Skin, Inhalation, Ingestion  
**Target Organs:** Eyes, Skin, Respiratory Tract, Digestive System  
**Carcinogenicity:** Not listed by NTP, IARC, ACGIH or OSHA as a carcinogen

## 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.

# MATERIAL SAFETY DATA SHEET

## 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 MEASURES

### Methods for Cleaning Up/ Taking Up:

Spills: 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<sup>mm</sup> 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

### Advice on safe

#### Handling:

Keep out of reach of children. Avoid contact with eyes and skin. Wash hands after use, and before smoking or eating / drinking. Wash protective gear and clothing after each day's use.

### Advice on protection against fire and explosion:

Not flammable- no special measures required.

#### Storage information:

Keep product in the original container, tightly closed, in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

## 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.

# MATERIAL SAFETY DATA SHEET

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

## 9. PHYSICAL AND 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 AND REACTIVITY

**Conditions to avoid:** None with proper storage and handling, other than extreme heat.  
**Thermal Decomposition:** Not measured.  
**Hazardous reactions:** No hazardous reactions with proper storage and handling  
**Hazardous Polymerization:** Unlikely to occur.  
**Stability:** Stable under normal conditions of storage and use.  
**Hazardous decomposition products:** None with proper storage and handling.

## 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<sub>50</sub> rat: > 10,000 mg/kg.  
Dermal LD<sub>50</sub> rat: > 10,000 mg/kg.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects:**  
**Acute Toxicity – Fish:** LC<sub>50</sub> for rainbow trout is 211 mg/L.  
**Acute Toxicity - Daphniae:** EC<sub>50</sub> for daphnia magna is 85 mg/L.  
**Acute Toxicity – Algae:** EC<sub>50</sub> for green algae is >100 mg/L  
**Acute Toxicity – Birds:** LD<sub>50</sub> for Japanese Quail is 31 mg/Kg

### Further ecological information:

**Ecological notes:** This product is considered to be a water pollutant. It is classified as immobile in soil and is not expected to leach. Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the undiluted 100% product.

# MATERIAL SAFETY DATA SHEET

## 13. DISPOSAL CONSIDERATIONS

**ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

**Product Disposal:** In accordance with local authority regulations, take to special waste incineration plant.

**Container Disposal:** 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<sup>mm</sup> 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.  
**EPG:** n/a  
**Storage and Transport:** Considered non – dangerous goods for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## 15. REGULATORY INFORMATION

**APVMA Approval No:** 51943/0602  
**Risk Phrases:** Not applicable.  
**Safety Phrases:** Not applicable.  
**SUSDP Classification:** S5  
**Packaging & Labeling:** READ SAFETY DIRECTIONS BEFORE OPENING OR USING  
**Hazard Category**  
**AICS (Australia):** Listed on the Australian Inventory of Chemical Substances.

## 16. OTHER INFORMATION

**Contact Person/Point:** Mr.David Pearson Phone: (07) 3711 7022  
**Reason for Revision:** Supersedes our MSDS dated December 2004

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