

# 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: November 2004

## 1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: **BLITZ<sup>®</sup> INSECTICIDE**

**Formulation type:** Suspension Concentrate  
**Poison Schedule:** S5  
**Recommended use:** An 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](http://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
Tetramethrin-R 25:75	7696-12-0	10g/l
Piperonyl Butoxide	51-03-6	80g/l
Other non-hazardous ingredients		to 100%

## 3. HAZARDS IDENTIFICATION

**Hazard Designation:** Non-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.

#### 4. FIRST AID MEASURES

<b>General Information:</b>	If poisoning occurs, immediately contact a doctor or the Poisons Information Centre on 131126 and follow the advice given. Show this MSDS to a doctor.
<b>Inhalation:</b>	Remove patient to fresh air, rest and keep warm.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes, and wash off skin with soap and plenty of water. Seek medical advice if irritation persists.
<b>Eye Contact:</b>	Rinse immediately with water for at least 15mins, holding eye open. Seek medical advice.
<b>Ingestion:</b>	Do not induce vomiting. Wash out mouth with water, and keep patient rested until medical assistance arrives.
<b>Symptoms:</b>	Headache, dizziness, drowsiness, diarrhoea, nausea and vomiting.
<b>Advice to Doctor:</b>	No known antidote for this product. Treatment is symptomatic and supportive. In cases of skin contact, it has been reported that applications of Vitamin E acetate can have very high therapeutic value. For eyes, instill local anesthetic drops, e.g. amethocaine hydrochloride eye drops. Treat large intakes with gastric lavage, and charcoal administration. Use endotracheal intubation, and artificial respiration if necessary. Check for pulmonary oedema in the event of inhalation. Diazepam i.v. should be used for anti-convulsant therapy.

#### 5. FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards:</b>	Non-flammable, non-combustible material.
<b>Fire Extinguisher type:</b>	Water spray, carbon dioxide, foam or dry chemical. Do not use a water jet from a fire hose.
<b>Fire Fighting Procedures &amp; Precautions:</b>	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not allow contaminated water to be released into the environment. Keep intact containers cool with water spray.
<b>Hazardous Decomposition Products:</b>	Heating and/or combustion will generate oxides of nitrogen and carbon, along with other irritants.
<b>Flash Point:</b>	Non- flammable.

#### 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<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

<b>Handling:</b>	Use only in a well ventilated area. Avoid skin and eye contact. Avoid spray drift when applying the mixed product. Wear appropriate protective clothing as detailed below.
<b>Storage:</b>	Store the product in the closed, original container in a safe, well ventilated area, avoiding temperature extremes. Do not store for prolonged periods in direct sunlight.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

<b>Exposure Limits:</b>	No exposure standard has been assigned by Worksafe Australia.
<b>Ventilation:</b>	Product is not volatile. Use local exhaust ventilation when spraying if possible.
<b>Personal Protective Equipment:</b>	When preparing and using spray, wear cotton overalls buttoned to the neck and wrist, and wear a washable hat. After each days use, wash gloves, face shield and contaminated clothing.
<b>Eye Protection:</b>	Wear a face shield when preparing and using the spray.
<b>Skin Protection:</b>	Wear elbow-length PVC gloves when preparing and using the spray.
<b>Respirator:</b>	For splash or mist exposure, wear a properly fitting half-face or full face air purifying respirator approved for pesticides.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical Description:</b>	White liquid with a mild aromatic odour.
<b>Odour:</b>	Mild aromatic odour
<b>Density:</b>	1.01 at 20°C
<b>Water Solubility:</b>	Forms a suspension.
<b>Boiling Point:</b>	100°C

## 10. STABILITY & REACTIVITY

<b>Reactivity:</b>	Stable under normal condition of storage and use.
<b>Conditions to Avoid:</b>	Avoid oxidizing agents, strong acids and alkalis.
<b>Incompatibilities:</b>	Avoid iron and alloys.
<b>Fire Decomposition:</b>	Heating and/or combustion will generate oxides of nitrogen and carbon, along with other irritants.

## 11. TOXICOLOGICAL INFORMATION

<b>Chronic Toxicity:</b>	Deltamethrin and Piperonyl Butoxide are not mutagenic, carcinogenic or teratogenic. No birth defects or adverse effects on reproductivity were found in studies with rats and rabbits.
<b>Inhalation:</b>	Inhalation of spray may cause transient irritation of mucous membranes of the nose, throat and respiratory tract for up to 24hrs.
<b>Skin exposure:</b>	Contact with the skin, especially around the face, may result in initial stinging and burning sensations, followed by numbing. This may persist for several hours.
<b>Eye exposure:</b>	Irritating to the eyes.
<b>Ingestion:</b>	The product is harmful if swallowed. Symptoms include headache, dizziness, drowsiness, diarrhoea, nausea and vomiting.
<b>Animal Toxicity Data:</b>	No deaths occurred in rats when aqueous suspensions of deltamethrin were administered at close rates up to 40,000 mg/kg. Piperonyl Butoxide and d-tetramethrin 20:80 LD <sub>50</sub> for rats are 6,150 mg/kg and >5,000 mg/kg respectively.

## 12. ECOLOGICAL INFORMATION

### Effects on Aquatic

**Organisms:** The product is highly toxic to fish and aquatic organisms.

### Effects on Other Animals

**(non-target species):** The product is not toxic to bees.

### Environmental Persistence & Degradation:

Deltamethrin is not persistent in the environment. It is broken down by micro-organisms in soil, and does not leave environmental residues or build up in the food chain.

## 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<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 classified as hazardous according to criteria of Worksafe Australia.

**Packing Group:** Not applicable.

## 15. REGULATORY INFORMATION

**APVMA Approval No:** 50682/1/1103

## 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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