

# MATERIAL SAFETY DATA SHEET



Accensi Pty Ltd	Date Issued: 16 November 2009
Narangba Qld, 4504	
Ph: (07) 3897 2000	Fax: (07) 3897 2022
<a href="http://www.accensi.com.au">www.accensi.com.au</a>	Product Code: Perru1010

## 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Country Permethrin Dust 10

### COMPANY IDENTIFICATION:

Accensi Pty Ltd  
60-76 Potassium Street  
Narangba, Queensland 4504

**USE:** Insecticide dusting powder for control of various pests.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Permethrin 25:75	52645-53-1	1%
Talc	14807-96-6	VHIGH
Other ingredients determined non-hazardous.		LOW

Proportion (% weight per weight): VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

## 3. HAZARDOUS IDENTIFICATIONS:

- Classified as hazardous according to WorkSafe Australia.
- R43 may cause sensitization by skin contact.

**POTENTIAL HEALTH EFFECTS:** This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

**EYE:** May irritate eyes

**SKIN:** Not irritant to skin

**INGESTION:** Low oral toxicity

**INHALATION:** Inhalation of dust may cause respiratory irritation.

**SYSTEMIC** (other target organ): Data from animal studies indicate the liver and the lining of nerve tracts.

**CANCER INFORMATION:** Pyrethroids are not thought to be carcinogenic. However permethrin may be a weak tumor-former, or oncogen, in mice and rats. It is suspected of having carcinogenic effects.

**TERATOLOGY** (Birth defects): Is not a Teratogenic.

**REPRODUCTIVE EFFECTS:** Data from animal studies indicate reproductive effects.

**MUTAGENICITY:** Is not mutagenic.

## 4. FIRST AID:

If poisoning occurs, immediately contact a doctor or **Poisons Information Centre (telephone 13 11 26)**, and follow the advice given. Show this Material Safety Data Sheet to a doctor.

**EYE:** Rinse immediately with plenty of water for at least 15 minutes, holding eye open and taking care to rinse under eyelids as well. If irritation persists seek medical attention.

**SKIN:** Wash off skin immediately with soap and plenty of water. Remove all contaminated clothing and shoes. Seek medical advice if irritation persists. Launder contaminated clothing before re-use.

**INGESTION:** Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice.

**INHALATION:** Remove victim to fresh air. Seek medical advice if symptoms are experienced.

**NOTE TO PHYSICIAN / FIRST AIDERS:** Treat Symptomatically. Note the nature of this product.

## 5. FIRE FIGHTING MEASURES:

**FLASH POINT:** Not flammable

**EXTINGUISHING MEDIA:** Extinguish fire with water spray and prevent run off from entering drains.

**FIRE AND EXPLOSION HAZARDS:** Not flammable but will produce hydrogen chloride gas.

**FIRE-FIGHTING EQUIPMENT:** Full protective clothing should be worn.

## 6. ACCIDENTAL RELEASE MEASURES:

### ACTION TO TAKE FOR SPILLS:

In case of spills it is important to take all steps necessary to:

- Avoid eye and skin contact.
  - Avoid contamination of waterways.
- Keep all bystanders away.

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2. Wear full-length clothing and PVC gloves.
3. Shovel the spill into drums

## 7. HANDLING AND STORAGE:

### PRECAUTIONS TO BE TAKEN IN HANDLING

**AND STORAGE:** Store in a cool dry place away from direct sunlight. Store away from food and food stuffs for animal or human consumption. Store in its original container well sealed.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION:

**EXPOSURE GUIDELINES:** Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. There is a blanket recommendation of 10mg/m<sup>3</sup> for inspirable dusts or mists when limits have not otherwise been established.

TWA of Respirable dust 2.5mg/m<sup>3</sup> for Talc (containing no asbestos fibres)

**ENGINEERING CONTROLS:** In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

### RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Avoid skin and eye contact and inhalation of vapour. Wear overalls, chemical goggles and impervious gloves. Use adequate ventilation. Eye washing and shower facilities available.

**EYE / FACE PROTECTION:** Face and eye protection should be worn. For help in selecting suitable equipment consult AS 1336 and AS/NZS 1337.

**SKIN PROTECTION:** Wear chemical resistant PVC or nitrile gloves. Wear cotton overalls and washable cotton hat. Wear boots. For help in selecting suitable gloves consult AS 2161. For help in selecting suitable clothing consult AS 2919. For help in selecting boots consult AS/NZS 2210

**RESPIRATORY PROTECTION:** Use in well-ventilated area. For help in selecting suitable equipment consult AS/NZS 1715.

### APPLICATIONS AND ALL OTHER HANDLERS:

After handling this product always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** White powder

**ODOUR:** Odourless

**SOLUBILITY IN WATER:** Not soluble in water

**SPECIFIC GRAVITY:** Not Applicable

**BOILING POINT:** Not Applicable

**COROSIVENESS:** Not Corrosive

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions. React with oxidising agents.

**INCOMPATIBILITY:** Avoid strong oxidising agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product is unlikely to spontaneously decompose.

**HAZARDOUS POLYMERIZATION:** This product is unlikely to spontaneously polymerise.

## 11. TOXICOLOGICAL INFORMATION:

Permethrin:

- Has low mammalian toxicity.
- Dermal LD<sub>50</sub> (Rats) > 4,000 mg/kg
- Dermal LD<sub>50</sub> (Rabbits) > 2,000 mg/kg
- Inhalation LC<sub>50</sub> (Rats) > 23.5 mg/L of air

## 12. ECOLOGICAL INFORMATION:

**ENVIRONMENTAL DATA:** This substance has low mobility in soil. It has a high potential for bioaccumulation but is rapidly eliminated from fish (about 80% in 14 days). There is evidence of degradation in soil and water. The half-life in soil is less than 38 Days.

**ECOTOXICOLOGY:** Active ingredient – Permethrin:

**AQUATIC TOXICITY:**

Very toxic to aquatic organisms

96 hr LC<sub>50</sub> (rainbow trout): 2.5 ug/L

48 hr LC<sub>50</sub> (rainbow trout): 5.4 ug/L.

45 hr LC<sub>50</sub> (bluegill sunfish): 1.8 ug/L.

48 hr LC<sub>50</sub> (Daphnia magna): 0.6 ug/L

**TERRESTRIAL TOXICITY:**

Toxic to bees

24 hr Oral LD<sub>50</sub> (bee): 0.098 ug/bee

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24 hr Topical LD50 (bee): 0.029ug/bee.  
Oral LD50 (chicken): > 3000 mg/kg.  
Oral LD50 (Japanese) quail): > 13,500 mg/kg.

## 13. DISPOSAL CONSIDERATIONS:

**DISPOSAL METHOD:** Dispose of empty, used containers by;

- Triple rinsing with water.
- Plastic bags to be disposed of according to local authority. Breaking, crushing or puncturing the containers to prevent reuse.
- Disposing of in a local authority, bury landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 50cm of soil at a licensed/approved disposal site. DO NOT burn empty containers or product.

## 14. TRANSPORT INFORMATION:

**ROAD AND RAIL TRANSPORT:** Not classified as Dangerous Goods by the criteria of the Australian dangerous goods Code (ADG) for the transport by Road and Rail.

**MARINE TRANSPORT:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods code (IMDG Code) for transport by sea.

**AIR TRANSPORT:** Not classified as dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

## 15. REGULATORY INFORMATION:

**POISON SCHEDULE:** Not scheduled

## 16. OTHER INFORMATION:

All information in this data sheet is provided in good faith and is believed to be correct. Each user should consider the information in this safety data sheet within the context of their particular application as Accensi Pty Ltd cannot anticipate or control conditions under which this product may be used. Accensi Pty Ltd will not be responsible for any damages arising out of the use or reliance upon the information in this safety data sheet. No expressed or implied warranties are given other than those implied mandatory by Commonwealth, State or Territory legislation.

Please read all labels carefully before use.

Contact: **Emergency Services**  
**Ph: 000**