

MATERIAL SAFETY DATA SHEET



Accensi Pty Ltd	Date Issued: 01 July 2008
Narangba Qld, 4504	
Ph: (07) 3897 2000	Fax: (07) 3897 2022
www.accensi.com.au	Product Code: Perru5020

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT:
COUNTRY PERMETHRIN 500 EC INSECTICIDE

COMPANY IDENTIFICATION:

Accensi Pty Ltd
Lot 96 Potassium Street
Narangba, Queensland 4504

USE: Insecticide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Permethrin	52645-53-1	500g/L
Aromatic Hydrocarbon	64742-94-5	342g/L
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:

- HAZARDOUS according to WorkSafe Australia

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

EYE: Irritant to eye

SKIN: Mild skin irritant. Repeated or prolonged skin contact may lead to contact dermatitis.

INGESTION: Harmful if swallowed

INHALATION: Vapour may be an irritant to mucous membranes and respiratory tract.

SYSTEMIC (other target organ): Central Nervous system.

CANCER INFORMATION: No data available

TERATOLOGY (Birth defects): No data available

REPRODUCTIVE EFFECTS: No data available

NOTE: Workers exposed to hydrocarbon solvents in high concentrations, will typically show signs of central nervous system depression. Disorientation, euphoria, giddiness and confusion, progressing to unconsciousness, paralysis, convulsion and death from respiratory or cardiovascular arrest may be observed.

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 that this product contains an aromatic hydrocarbon. Induction of vomiting may lead to inhalation of its vapors, which in turn may lead to lung damage. Therefore induction of vomiting is preferably performed under trained medical supervision.

5. FIRE FIGHTING MEASURES:

FLASH POINT: 63°C (Solvent)

FLAMMABLE LIMITS: Not Flammable

EXTINGUISHING MEDIA: Water fog (or unavailable fine water spray), foam dry agent (carbon dioxide, dry chemical powder).

FIRE AND EXPLOSION HAZARDS: Combustible liquid. On burning may emit toxic fumes.

FIRE-FIGHTING EQUIPMENT: Fire-fighters to wear breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS: In the event of a major spill, prevent spillage from entering drains or watercourses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered.

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Thoroughly launder protective clothing before storage or re-use. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Combustible C1. 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. A time weight average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the ingredients in this product. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established.

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: 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: Clear to very light amber liquid.
ODOUR: Mild solvent odour.
SOLUBILITY IN WATER: Emulsifies
SPECIFIC GRAVITY: 1.06
BOILING POINT: Not available

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:

MUTAGENICITY: No data available

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.

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ECOTOXICOLOGY: Active ingredient – Permethrin:
AQUATIC TOXICITY:

Very toxic to aquatic organisms
96 hr LC50 (rainbow trout): 2.5 ug/L
48 hr LC50 (rainbow trout): 5.4 ug/L.
45 hr LC50 (bluegill sunfish): 1.8 ug/L.
48 hr LC50 (Daphnia magna): 0.6 ug/L

TERRESTRIAL TOXICITY:

Toxic to bees
24 hr Oral LD50 (bee): 0.098 ug/bee
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. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.
- 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:

DANGEROUS GOODS: Not classified as Dangerous Goods according to "Australian DG Code 6 for the Transport of Dangerous Goods by Road & Rail".
Classified as Dangerous Goods according to "Australian DG Code 7 for the Transport of Dangerous Goods by Road & Rail".

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS PERMETHRIN) MARINE POLLUTANT.

UN Number 3082
Dangerous Goods Class 9
Packing Group III

MARINE TRANSPORT: Classified as Dangerous Goods by the International Maritime Dangerous Goods Code (IMDG) Code) for transport by sea.
UN Number 3082
Dangerous Goods Class 9
Packing Group III

15. REGULATORY INFORMATION:

POISON SCHEDULE: 6

RISK PHRASES:

- R20/22 Harmful by inhalation and if swallowed.
- R43 May cause sensitization by skin contact.

SAFETY PHRASES:

- S2 Keep out of reach of children.
- S23 Do not breathe vapour/spray.
- S24 Avoid contact with the skin.
- S44 If you fell, unwell contact a doctor or Poisons Information Centre immediately (show the label where possible)

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**