

# MATERIAL SAFETY DATA SHEET



Accensi Pty Ltd	Date Issued: 26 February 2009
Narangba, Qld 4504	Fax: (07) 3897 2022
Phone: (07) 3897 2000	Product Code:
<a href="http://www.accensi.com.au">www.accensi.com.au</a>	

## 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Country Bifenthrin Sand

### COMPANY IDENTIFICATION:

Accensi Pty Ltd  
Lot 96 Potassium Street  
Narangba, Queensland 4504

**USE:** Insecticide.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Bifenthrin	82657-04-3	2g/kg
Other ingredients determined non-hazardous.		VHIGH

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

## 3. HAZARDOUS IDENTIFICATIONS:

- **Classified as non-hazardous according to criteria of 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:** Slight eye irritant

**SKIN:** No effect expected

**INGESTION:** May be harmful if swallowed.

**INHALATION:** Inhalation not likely.

**CANCER INFORMATION:** The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

**TERATOLOGY** (Birth defects): Data suggests is unlikely to cause birth defects.

**REPRODUCTIVE EFFECTS:** Data suggests is unlikely to cause reproductive effects.

**MUTAGENICITY:** No current data available.

## 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.

## 5. FIRE FIGHTING MEASURES:

**FLASH POINT:** Not applicable.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water fog.

**FIRE AND EXPLOSION HAZARDS:** If a significant quantity of this product is involved in a fire, call the fire brigade. Fire decomposition products from this product may form toxic mixtures in confined spaces.

**FIRE-FIGHTING EQUIPMENT:** When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

## 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.
1. Keep all bystanders away.
  2. Wear full-length clothing and PVC gloves.
  3. Reposition any leaking containers so as to minimise further leakage.

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- Dam and absorb spill with an absorbent material (e.g. sand or soil).
- Shovel the absorbed spill into drums and top with hydrated lime.
- Disposal of the absorbent material will depend on the extent of the spill.
  - For quantities up to 50L of product bury in a secure land fill site.
  - For quantities greater than 50L seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
- Decontaminate spill area with hydrate lime scattered over the spill prior to rinsing off with water.

## 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. 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/m<sup>3</sup> 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:** Avoid skin and eye contact and inhalation of dust. 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:** Light brown sand  
**ODOUR:** None

**VOLATILE METATERIALS:** No Specific data. Expected to be low at 100<sup>0</sup>C

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**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:

Bifenthrin:

- LD<sub>50</sub> Oral (rat) = 54 - 70 mg/kg
- LD<sub>50</sub> Dermal (rat) > 2000 mg/kg
- Inhalation LC<sub>50</sub> (rat) > 1.01 mg/L

## 12. ECOLOGICAL INFORMATION:

### ENVIRONMENTAL DATA:

Do not contaminate streams, rivers or waterways with this product. Immobile in soil.

### ECOTOXICOLOGY:

Bifenthrin:

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- 96hr LC<sub>50</sub> (rainbow trout) 0.00015 mg/L
- LC<sub>50</sub> (Daphnia magna) 0.0016 mg/l
- LD50 (Mallard duck) 2150 mg/kg
- LD50 (Bobwhite quail) 1800 mg/kg

Please read all labels carefully before use.

**Contact: Emergency Services  
Ph: 000**

## 13. DISPOSAL CONSIDERATIONS:

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

- (a) Triple rinsing with water. Dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.
- (b) Breaking, crushing or puncturing the containers to prevent reuse.
- (c) 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:** None

- **Classified as non-hazardous according to criteria of Worksafe Australia**

## 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.