

# MATERIAL SAFETY DATA SHEET



Accensi Pty Ltd	Date Issued: 23 April 2010
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: Diaru8020

## 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** DIAZINON 800

**USE:** Insecticide for the control of various insect pests in agriculture.

### COMPANY IDENTIFICATION:

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

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Diazinon Tech	333-41-5	800g/L
Surfactants	-	Low
Aromatic Hydrocarbons	64742-95-5	Low

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

## 3. HAZARDOUS IDENTIFICATIONS:

- **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.

These are typical **POISONING SYMPTOMS** organophosphate pesticides – nausea, diarrhoea, dripping nose and mouth, excessive salivation, stomach cramps, excessive sweating, trembling, loss of muscle coordination, muscle twitches, weakness, mental confusion, blurred vision, breathing difficulties, rapid pulse pin-point pupils.  
(Cholinesterase inhibition)

**EYE:** Mild irritant

**SKIN:** The active ingredient, diazinon, can be rapidly absorbed through the skin thus causing cholinesterase inhibition. Mild irritant.

**INGESTION:** Moderate Toxicity

**INHALATION:** Slight Toxicity

**SYSTEMIC** (other target organ): Repeated minor exposure of diazinon tech may cause a cumulative poisoning effect due to cholinesterase inhibition.

Cholinesterase levels will return to normal a few weeks after exposure is stopped.

The hydrocarbon liquid may cause narcosis and central nervous system depression following prolonged over-exposure.

**CANCER INFORMATION:** Diazinon is not considered carcinogenic

**TERATOLOGY** (Birth defects): No evidence of in laboratory mammals.

**REPRODUCTIVE EFFECTS:** No evidence of in laboratory mammals.

**MUTAGENICITY:** The mutagenicity in humans remains unevaluated.

## 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 persist seek medical attention.

**SKIN:** Wash off skin immediately with soap and plenty of water. Remove all contaminated clothing and shoes. If poisoning occurs seek immediate medical attention and if more than 15 minutes from medical attention, give one Atropine tablet (0.5mg) every 5 minutes until dryness of mouth occurs.

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

**INHALATION:** Move affected person to fresh air and keep until recovered. If poisoning occurs seek immediate medical attention and if more than 15 minutes from emergency medical attention, give one Atropine tablet (0.5mg) every 5 minutes until dryness of mouth occurs.

**NOTE TO PHYSICIAN:** Treat as cholinesterase inhibitors. Atropine sulphate is antidote. **Always seek medical attention when atropine has been given. (Even if symptoms have subsided)**

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## 5. FIRE FIGHTING MEASURES:

**FLASHPOINT:** > 62°C (solvent)

**FLAMMABLE LIMITS:** Not Applicable

**EXTINGUISHING MEDIA:** Use fine water spray or foam.

**FIRE AND EXPLOSION HAZARDS:** This product is non-flammable and non-explosive.

**FIRE-FIGHTING EQUIPMENT:** Wear suitable breathing apparatus.

## 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.
  4. Dam and absorb spill with an absorbent material (e.g. sand or soil).
  5. Shovel the absorbed spill into drums and top with hydrated lime.
  6. 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.
  7. 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. Store as combustible C1

## 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.

ACGIH TLV: 0.1mg/Cu metre

STEL 0.3mg/Cu metre

### 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, eye protection and impervious gloves. Use adequate ventilation. Eye washing and shower facilities available.

**EYE / FACE PROTECTION:** Eye protection should be worn when splashing is possible. Wear splash proof goggles or a full-face shield. Consult AS 1336 and 1337.

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

**RESPIRATORY PROTECTION:** Do not breathe vapour/spray/fumes. Use an organic-chemical cartridge respirator when working in poorly ventilated areas or where there is potential for spray mist, splashing or vapours. Consult AS 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Clear light amber coloured liquid.

**ODOUR:** Strong to objectionable

**SOLUBILITY IN WATER:** Emulsifies with water

**SPECIFIC GRAVITY:** 1.12

**BOILING POINT:** >112°C

**CORROSIVENESS:** Non-Corrosive

## 10. STABILITY AND REACTIVITY

**STABILITY:** This product is unlikely to spontaneously decompose

**INCOMPATIBILITY:** Avoid oxidising agents, strong acids and alkalis.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Diazinon decomposes above 120°C. During a fire this product may release smoke and hazardous decomposition products.

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

## 11. TOXICOLOGICAL INFORMATION:

Diazinon is classified as slightly toxic to moderately toxic.

## 12. ECOLOGICAL INFORMATION:

**ENVIRONMENTAL DATA:** Do not allow any part of this product to enter waterways.

**ECOTOXICOLOGY:** Diazinon technical is moderately toxic to fish LC<sub>50</sub> (96h) Rainbow Trout = 2.6 – 3.2 mg/L and highly toxic to birds and bees.

## 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:

### ROAD AND RAIL TRANSPORT:

**SHIPPING NAME:** ORGANOPHOSPHOROUS PESTICIDE, LIQUID, TOXIC, N.O.S.

**DANGEROUS GOODS:** 6.1

**Sub-risk:** Not Applicable

**P.G:** III

**HAZCHEM:** 2X

**UN No:** 3018

### MARINE TRANSPORT:

**SHIPPING NAME:** ORGANOPHOSPHOROUS PESTICIDE, LIQUID, TOXIC, N.O.S.

**DANGEROUS GOODS:** 6.1

**Sub-risk:** Not Applicable

**P.G:** III

**HAZCHEM:** 2X

**UN No:** 3018

### AIR TRANSPORT:

**SHIPPING NAME:** ORGANOPHOSPHOROUS PESTICIDE, LIQUID, TOXIC, N.O.S.

**DANGEROUS GOODS:** 6.1

**Sub-risk:** Not Applicable

**P.G:** III

**HAZCHEM:** 2X

**UN No:** 3018

## 15. REGULATORY INFORMATION:

**WHO HAZARD CLASS:** II

**POISON SCHEDULE:** 6

**FLAMMABILITY:** Non-flammable.  
Is a Combustible C1

### RISK PHRASES:

- Toxic in contact with skin.
- Toxic if swallowed

### SAFETY PHRASES:

- After contact with skin wash immediately with soap and water.
- Wear suitable protective clothing and gloves.
- If you feel unwell, contact doctor or Poisons Information immediately (show label if possible)

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## 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**