

**MATERIAL SAFETY DATA SHEET**

**Statement of Hazardous Nature:**

Hazardous according to criteria of Worksafe Australia

**Company:** Kenso Corporation (M) Sdn Bhd  
**Address:** H / 177 Old Cleveland Rd, Coorparoo  
Queensland 4151  
**Telephone Number:** (07) 3847 4288  
**Facsimile Number:** (07) 3847 4188  
**Emergency Telephone Number:** 000 (Police or Fire Brigade)  
**131126 (Poisons Information Centre)**

**IDENTIFICATION**

**Product Name:** Kenso Agcare Kensban 500 Insecticide  
**Other Names:** None  
**Manufacturer's Product Code:** None  
**UN Number:** 3018  
**Dangerous Goods Class:** 6.1  
**Subsidiary Risk:** None allocated  
**Hazchem Code:** 2X  
**Poisons Schedule Number:** S6  
**Packaging Group** III

**Use:**

Insecticide for control of various insect pests in agriculture.

**Physical Description/Properties**

**Appearance:** Clear light amber coloured liquid with hydrocarbon odour  
**Boiling Point:** > 112°C  
**Vapour Pressure:** Not available  
**Specific Gravity:** 1.09 ± 0.01  
**Flashpoint:** 62°C  
**Flammability Limits:** Not available  
**Solubility in Water:** Forms emulsion

**Ingredients**

Chemical Name	CAS No	Proportion
Chlorpyrifos	2921-88-2	50 % w/v
Surfactants		10% w/v
Aromatic hydrocarbon solvent		To 100% w/v

## HEALTH HAZARD INFORMATION

### Health Effects

#### Acute:

- Swallowed:** Muscle tremor, weakness and sweating. Effects body motor system. Cholinesterase inhibition symptoms.
- Eye:** Severe irritant
- Skin:** Severe irritant, readily absorbed through skin and causes Cholinesterase inhibition symptoms.
- Inhaled:** Mildly toxic. Avoid breathing spray mists.

#### Chronic:

Cholinesterase activity returns to normal after ceasing exposure, generally 2 weeks.

### First Aid

<b>Swallowed</b>	If poisoning occurs, contact a doctor or Poisons Information Centre (Tel 131126). Administer one Atropine tablet every 5 minutes until dryness of the mouth occurs. If excessive dryness of mouth occurs cease Atropine treatment. Seek medical advice.
<b>Eye</b>	Irrigate with copious quantities of water for at least 15 minutes. In all cases of eye contamination it is sensible precaution to seek medical advice.
<b>Skin</b>	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Inhaled</b>	Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

### **First Aid Facilities:**

#### **Advice to Doctor:**

Cholinesterase inhibitor, readily absorbed through the skin, cholinesterase activity recovers on removal from contact, approx two weeks to restore normal levels. Atropine treatment may be necessary in combination with 1 g IV Pralidoxime for profound weakness and muscle twitching.

NB : This product also contains liquid hydrocarbon. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

## PRECAUTIONS FOR USE

### Exposure Standards:

None established for formulated product

Ingredient	TWA mg/m <sup>3</sup>
chlorpyrifos	0.2

### Engineering Controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

### Personal Protection:

Harmful if swallowed. Will irritate the eyes and skin. Facial skin contact may cause temporary facial numbness. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and a face-shield or goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

After each day's use, wash gloves, face shield or goggles and contaminated clothing.

## SAFE HANDLING INFORMATION

### Storage

Store in the closed, original container in a well-ventilated area. Do not store for prolonged periods in direct sunlight. DO NOT RE-USE CONTAINER FOR ANY PURPOSE. During storage keep from contact with fertilisers, pesticides and seeds. Water hastens decomposition; keep dry and prevent water entering container. Rotate stocks, chlorpyrifos degrades with time.

This product is classified as a C1 (Combustible Liquid) for the purpose of storage and handling, in accordance with the requirements of AS1940. Refer to the state regulations for storage and transport requirements.

### Transport

This product is classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for the Transport by Road and Rail.

### Spills and Disposal

Clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain using sand or soil – prevent run off into drains and waterways. Use adsorbent (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal. Alkali's, i.e. lime and soda ash hasten decomposition of chlorpyrifos.

Triple rinse containers, add rinsings to spray tanks and send containers for recycling or if not recycling, break, crush or puncture and bury empty containers in a local authority landfill or in accordance with local, state or federal regulation. Do not dispose of undiluted chemicals on site.

### Fire/Explosion Hazard

#### Specific hazards

**Fire fighting further advice**

Solvent vapours are flammable/explosive, where sufficient vapour exists. Avoid all ignition sources. High flash point combustible solvents Flash point > 61°C. Large fires have the potential to release decomposition products, use full protective clothing including breathing air system.

**Suitable extinguishing media**

Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)

<b>OTHER INFORMATION:</b>
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**CONTACT POINT:**

Police and Fire Brigade:	Dial	000
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 1126 (from anywhere in Australia)</b>
For 24 hour emergency response:	Dial	0439 933 556
		Ask for Murray Goodlich