

**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 Road, 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 Kencozeb 750 DF Fungicide  
**Other Names:** None  
**Manufacture's Product Code:** None  
**UN Number:** None allocated  
**Dangerous Goods Class:** None allocated  
**Subsidiary Risk:** None allocated  
**Hazchem Code:** None allocated  
**Poisons Schedule Number:** S5

**Use:**

A dry flowable formulation of Mancozeb for the control of a wide range of fungal disease.

**Physical Description/Properties**

**Appearance:** Yellow free flowing granule with mild sulfurous odour  
**Boiling Point:** Not available  
**Vapour Pressure:** Not available  
**Specific Gravity:** Not available  
**Flashpoint:** N/A  
**Flammability Limits:** Not available  
**Solubility in Water:** Disperses in water

**Ingredients**

Chemical Name	CAS No	Proportion
Mancozeb	8018-01-7	75 % w/w
Inerts (not hazardous)		25% w/w

## HEALTH HAZARD INFORMATION

### **Health Effects**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:-

#### **Acute:**

**Swallowed:** Mancozeb itself has a very low acute toxicity. This product has not been tested but is expected to have low acute oral toxicity.

**Eye:** May cause irritation and discomfort in dry state.

**Skin:** Repeated or prolonged contact may cause irritation. Susceptible individuals may develop dermatitis upon prolonged or repeated exposure.

**Inhaled:** Inhalation of dust may cause irritation of nose and throat.

#### **Chronic:**

Prolonged or frequent repeated exposure can occasionally cause skin irritation, conjunctivitis and bronchitis.

#### **First Aid**

<b>Swallowed</b>	Give plenty of water and induce vomiting. Avoid giving alcohol. Contact a physician or Poisons Information Centre (13 11 26).
<b>Eye</b>	Irrigate with copious quantities of water for at least 15 minutes with eyelids held open. In all cases of eye contamination it is sensible precaution to seek medical advice.
<b>Skin</b>	Wash contaminated skin with plenty of water and soap. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Inhaled</b>	Remove victim to fresh air. Seek medical advice.

#### **First Aid Facilities:**

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

Treatment is symptomatic. Avoid giving alcohol – may cause vomiting and shock.

## PRECAUTIONS FOR USE

### Exposure Standards:

No exposure standards have been set for the product. The Australian workplace exposure standard for manganese, dust and compounds is 1 mg/m<sup>3</sup>, TWA.

### Engineering Controls:

Use only with adequate ventilation although a local exhaust should be provided if material is handled in confined spaces.

### Personal Protection:

Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. Wash hand after use. When use wear protective clothing, PVC gloves, goggles, and an approved air-purifying respirator. Wash contaminated clothing and protective equipment at the end of each day's work.

## SAFE HANDLING INFORMATION

### Storage

Store in the closed, original container in a well-ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

### Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for Transport by Road and Rail.

### Spills and Disposal

Sweep into suitable bags or drums. Do not allow to enter drains, waterways or sewers. Mancozeb rapidly degrades in the environment by hydrolysis, oxidation, photolysis and metabolism. Half life in soil is 6-15 days.

### Fire/Explosion Hazard

#### Dangerous decomposition or Combustion Products

#### Thermal decomposition

May emit toxic fumes of sulphur and nitrogen oxides, carbon disulphide and ethylenediamine, if material is involved in fires or subjected to extreme heat. Breathable air apparatus must be worn if material is involved in fires especially in confined spaces. Keep upwind.

### Extinguishing media

Carbon dioxide, dry chemical, foam.

**OTHER INFORMATION:**

**Toxicity Data:**

No LD<sub>50</sub> data available for product.

Technical Mancozeb

Acute oral LD<sub>50</sub> (rat) > 5000 mg/kg

Acute percutaneous LD<sub>50</sub> (rat) > 10000 mg/kg  
(rabbit) > 5000 mg/kg

LC<sub>50</sub> (48hr) for rainbow trout: 2.2 mg/L

LC<sub>50</sub> (48hr) for catfish 5.2mg/l

LC<sub>50</sub> (48hr) for carp 4.0mg/l

LC<sub>50</sub> (48hr) for goldfish 9.0mg/l

Ten day Dietary LD<sub>50</sub> for Japanese quail: 3200 mg/kg  
mallard duck: 6400 mg/kg

LC<sub>50</sub> for bee : 0.193mg/bee.

The Australian Acceptable Daily Intake (ADI) of mancozeb for a human is 0.006mg/kg/day set for the public for daily lifetime exposure. This is based on the NOEL of 0.6mg/kg/day, the level determined to show no effects during lifetime exposure to the most sensitive indicators and the most sensitive species. (Reference: Comm Dept. of Health and Aged Care, "ADI List", January 2001).

**CONTACT POINT:**

Police and Fire Brigade:

Dial 000

**National Poisons Information Centre:**

**Dial 13 1126 (from anywhere in Australia)**

For 24 hour emergency response:

Dial 0439 933 556

Ask for Murray Goodlich