

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

<b>Product Name:</b>	<b>Kenso Agcare Lavor 250 SC Fungicide</b>
<b>Product Type:</b>	Group 2 Fungicide
<b>Company Name:</b>	Kenso Corporation (M) Sdn Bhd
<b>Address:</b>	Level 1, 98 Commercial Road, Teneriffe QLD 4005
<b>Telephone Number:</b>	(07) 3216 1188
<b>Emergency Telephone Number:</b>	000 (Police or Fire Brigade) <b>13 11 26 (Poisons Information Centre)</b>
<b>Use:</b>	For control of certain fungal diseases in various crops as specified in Directions for Use.

### SECTION 2 – HAZARDS IDENTIFICATION

**Hazard Classification:** Classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code.



<b>Classification of the Hazardous Chemical:</b>	Flammable liquids – Category 4 Carcinogenicity – Category 2 Hazardous to the aquatic environment, long term – Chronic 1
<b>GHS Signal Word:</b>	<b>WARNING</b>
<b>Hazard statements:</b>	H227: Combustible liquid. H351: Suspected of causing cancer. H410: Very toxic to aquatic life with long lasting effects.
<b>Prevention:</b>	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources – No smoking. P273: Avoid release to the environment. P280: Wear protective gloves, protective clothing and eye or face protection.
<b>Response:</b>	P308 + P313: IF exposed or concerned: Get medical advice/attention. P370 + 378: In case of fire: Use water fog, foam, dry agent (carbon dioxide, dry chemical powder) to extinguish.
<b>Storage:</b>	P391: Collect spillage. P403: Store in a well-ventilated place. P405: Store locked up.
<b>Disposal:</b>	P501: Dispose of contents/container as specified on the registered label

SUSMP Classification: S5  
ADG Classification: N/A  
UN Number: N/A

### Emergency Overview

**Physical Description & colour:** Viscous white liquid.

**Odour:** Negligible odour.

**Major Health Hazards:** May irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Iprodione	36734-19-7	25.0 %
Liquid hydrocarbon	64742-56-9	33.2 %
Inert ingredients	secret	To 100 %

### SECTION 4 – FIRST AID MEASURES

**General Information:**

If poisoning occurs, contact a doctor or Poisons Information Centre, Phone Australia 131 126.

<b>Inhalation:</b>	Remove to fresh air until recovered. If symptoms persist, seek medical advice.
<b>Skin contact:</b>	Remove contaminated clothing and launder before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.
<b>Eye contact:</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical attention.
<b>Ingestion:</b>	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

**Advice to Doctor:**

Treat symptomatically.

### SECTION 5 – FIRE FIGHTING MEASURES

**Specific Hazard**

Product is a combustible liquid, C1.

**Fire/Explosion Hazard**

The major hazard in fires is usually inhalation of heated toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in fire.

## **Dangerous decomposition or Combustion Products**

### **Thermal decomposition**

Carbon dioxides, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compound and under some circumstances, oxides of nitrogen. Occasionally, hydrogen cyanide gas in reducing atmospheres. Hydrogen chloride gas and other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death. Take suitable protective measures.

### **Extinguishing Media**

Extinguish fire with foam, dry powder or water spray/fog.

### **Fire Fighting**

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Fire-fighter should wear appropriate protective equipment with self-contained breathing apparatus.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **Spills and Disposal**

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Do not allow to enter drains, sewers and watercourses. 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.

### **Personal Protection**

For appropriate personal protective equipment (PPE), refer Section 8.

## **SECTION 7 – HANDLING AND STORAGE**

### **Handling**

When handling this product, do not eat, drink or smoke.

When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and 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, goggles and contaminated clothing.

### **Storage**

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

## **SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **Engineering Controls**

Handle in well ventilated areas, generally natural ventilation is adequate. Use of a fan is recommended.

### Personal Protective Equipment

When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat and elbow-length PVC gloves

### Eye Protection

Eye protection is essential. Wear a face shield or goggles.

### Hygiene Measures

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, goggles and contaminated clothing.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	White
Odour:	Negligible odour
pH:	2 - 4
Boiling point (°C):	Not available
Vapour Pressure:	Not available
Flashpoint:	Not available
Specific Gravity:	1.02 ± 0.01
Solubility:	Dispersible

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions. However, if you have any doubts, contact supplier for advice on shelf life properties.

### Conditions to Avoid

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

### Incompatibilities

Strong acids, strong bases and strong oxidizing agents.

### Fire Decomposition

Carbon dioxides, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compound and under some circumstances, oxides of nitrogen. Occasionally, hydrogen cyanide gas in reducing atmospheres. Hydrogen chloride gas and other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

### Polymerisation

This product will not undergo polymerisation reactions.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Toxicity data (of technical)

#### Acute Toxicity – Oral

LD<sub>50</sub> (rat): >2000 mg/kg.

**Acute Toxicity - Dermal**

LD<sub>50</sub> (rat): >2000 mg/kg.

**Acute Toxicity – Inhalation:**

LC<sub>50</sub> (rats) (4hr): 5.16 mg/L air.

**Skin irritation:** NON IRRITANT

**Eye irritation:** NON IRRITANT

**Sensitization:** NON SENSITISER

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**Potential Health Effects**

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**Health Effects**

Product may irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour.

**Acute:**

- Inhalation:** Available data indicates this product is not harmful. However product may be mildly irritating although unlikely to cause anything more than mild transient discomfort.
- Skin contact:** Available data indicates this product is not harmful. It should present no hazards in normal use and unlikely to cause any discomfort.
- Eye contact:** Product maybe mild eye irritant but unlikely to cause anything more than mild discomfort which should disappear once product is removed.
- Ingestion:** Amounts swallowed to normal handling procedures and use is not expected to cause injury. However this product maybe irritating to mucous membrane yet unlikely to cause anything more than mild transient discomfort.

**Mutagenicity**

No data available.

**Carcinogenicity**

SWA classify it as Class 3 carcinogen, possibly carcinogenic to humans. 2-year feeding experiment with rats showed no increases in tumor formation or tumor precursors (neoplastic foci) at dietary doses of about 2.5 mg/kg/day. An 18-months study in mice showed cancer related effects at doses up to 22 mg/kg/day. Therefore, current evidence on carcinogenicity of iprodione is inconclusive.

**Other Information**

The Australian ADI for Iprodione is set at 0.04 mg/kg/day with corresponding NOAEL is set at 4 mg/kg/day.

\*ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, June 2023.

## SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

### Ecotoxicity data (of technical)

#### Acute Toxicity – Bird

LD<sub>50</sub> bobwhite quail : >2000 mg/kg

#### Acute Toxicity – Fish

LC<sub>50</sub> rainbow trout (96 hrs): 4.1 mg/L

#### Acute Toxicity – Crustaceans

Daphnia LC<sub>50</sub> (48 hrs): 0.25 mg/L

#### Acute Toxicity – Other organisms

Algae: E<sub>10</sub>C<sub>50</sub> *Selenastrum capricornutum* (120 hrs): 1.9 mg/L

Worms: LC<sub>50</sub>: >1000 mg/kg soil

Bees: LD<sub>50</sub> (contact): >0.4 mg/bee

### ENVIRONMENTAL FATE

Rapidly metabolised in soil, with formation of CO<sub>2</sub>. Representable half-life in most soils is estimated to be 14 days. Rate of degradation increases with successive treatments, hence accumulation does not occur. The compound is readily degraded by UV light.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

## SECTION 14 – TRANSPORT INFORMATION

### ADG

<b>UN Number:</b>	3082
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains IPRODIONE)
<b>Class:</b>	9
<b>Packaging group:</b>	III
<b>Storage and Transport:</b>	Considered non dangerous for road and rail transport ( in packaging) by Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01

### IMO-IMDG

<b>UN Number:</b>	3082
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains IPRODIONE)
<b>Class:</b>	9
<b>Packaging group:</b>	III
<b>Marine pollutant:</b>	Yes

## SECTION 15 – REGULATORY INFORMATION

<b>SUSMP Classification</b>	S5
<b>Packaging &amp; Labelling</b>	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number
<b>GHS</b>	Globally Harmonised System

**CONTACT POINT:**

Police and Fire Brigade:	Dial	000
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 11 26 (from anywhere in Australia)</b>
For 24 hour emergency response:	Dial	0428 776 327 Ask for Russell Clark