

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Pavo 250 EC Fungicide
Product Type: Group 11 Fungicide
Company Name: Kenso Corporation (M) Sdn Bhd
Address: Level 1, 98 Commercial Road, Teneriffe QLD 4005
Telephone Number: (07) 3216 1188
Emergency Telephone Number: 000 (Police or Fire Brigade)
13 11 26 (Poisons Information Centre)
Use: For the control of leaf speckle and leaf spot in bananas and downy and powdery mildew in grapevines, husk spot in macadamia and rust in almond as specified in the Directions for Use Table.

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.



Classification of the Hazardous Chemical: Flammable liquids – Category 4
Acute toxicity (Oral) – Category 4
Aspiration hazard – Category 1
Skin corrosion/irritation – Category 2
Serious eye damage/eye irritation – Category 2/2A
Acute toxicity (Inhalation) – Category 4
Specific target organ toxicity (Single exposure) – Category 3
Hazardous to the aquatic environment, short-term – Acute 1
Hazardous to the aquatic environment, long-term – Chronic 1

GHS Signal Word: **DANGER**

Hazard statements: H227: Combustible liquid.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
Prevention: P210: Keep away from flames, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash contacted areas thoroughly after handling.

Response: P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.
 P280: Wear protective gloves, protective clothing and eye or face protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P321: Specific treatment (see FIRST AID on this label).
 P330: Rinse mouth.
 P331: Do NOT induce vomiting.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P370+378: In case of fire: Use water fog, foam, dry agent (carbon dioxide, dry chemical powder) for extinguish.
 P391: Collect spillage.

Storage: P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P403: Store in a well-ventilated place.
 P405: Store locked up.

Disposal: P501: Dispose of contents and containers as specified on the registered label.

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

Emergency Overview

Physical Description & colour: Yellow liquid.

Odour: Aromatic hydrocarbon.

Major Health Hazards: Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Pyraclostrobin	175013-18-0	23.6 %
Liquid hydrocarbons	64742-94-5	66.5 %
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.

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

Thermal decomposition

Carbon monoxide, carbon dioxide, hydrogen chloride, nitrogen oxides, sulfur oxides, organochloric compounds. The substances/groups of substances mentioned can be release in case of fire.

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. Isolate the fire area and evacuate all personnel downwind of the 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 opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist [or equivalent clothing], a washable hat, elbow-length PVC gloves and face shield or goggles. When using the prepared spray by ground application wear cotton overalls buttoned to the neck and wrist [or equivalent clothing], a washable hat and elbow-length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each days use, wash gloves, face shield or goggles and contaminated clothing.

Storage

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:

No exposure standards have been set for this product. ADI for Pyraclostrobin is set at 0.03 mg/kg/day with corresponding NOAEL is set at 3 mg/kg/day.

**ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, September 2019.*

Engineering Controls

Handle in well ventilated areas, if natural ventilation is inadequate, use of a fan is recommended. Keep containers closed when not in use.

Personal Protective Equipment

When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist [or equivalent clothing], a washable hat, elbow-length PVC gloves and face shield or goggles. **Eye**

Protection

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

Hygiene Measures

Wash hands after use. After each days use, wash gloves, face shield or goggles and contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Yellow
Odour:	Aromatic hydrocarbon
pH:	5 - 7
Boiling point (°C):	Not available
Vapour Pressure:	2.6 x 10 ⁻⁵ mPa for technical @ 20°C
Flashpoint:	88°C
Specific Gravity:	1.06 ± 0.01
Solubility:	Emulsify in water

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions. It is unlikely to react or decompose under normal storage conditions.

Conditions to Avoid

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Incompatibilities

Strong acids, strong bases and strong oxidizing agents.

Fire Decomposition

Refer Section 5. No hazardous decomposition products if stored and handled as prescribed/indicated.

Polymerisation

This product will not undergo polymerisation reactions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (of technical)

Acute Toxicity – Oral

LD₅₀ (rat): >5000 mg/kg.

Acute Toxicity - Dermal

LD₅₀ (rat): >2000 mg/kg.

Acute Toxicity – Inhalation:

LC₅₀ (rats) (4hr): 0.69 mg/L.

Skin irritation: IRRITANT

Eye irritation: NON IRRITANT

Sensitization: NON SENSITISER

Potential Health Effects

Health Effects

Product is harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin.

Acute:

Inhalation:	Product is harmful if inhaled. Maybe irritating but unlikely to cause anything more than mild transient discomfort.
Skin contact:	Product is skin irritant. Symptoms may include stinging and reddening of contacted skin. Other symptoms may also become evident, but if treated promptly, all should disappear once exposure stopped.
Eye contact:	Product is eye irritant. Symptoms include stinging and reddening of eyes, watering which may become copious. Other symptoms may become evident. If exposure is brief, symptoms should disappear once exposure stopped. Lengthy exposure or delayed treatment may cause permanent damage.

Ingestion: Significant oral exposure is unlikely. Available data shown product is harmful but symptoms are not available. This product maybe irritating to mucuous membrane but unlikely to cause anything more than mild transient discomfort.

Mutagenicity

No data available.

Carcinogenicity

Not carcinogenic.

Other Information

The Australian Acceptable Daily Intake (ADI) for Pyraclostrobin is set at 0.03 mg/kg/day with corresponding NOAEL is set at 3 mg/kg/day.

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

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

Ecotoxicity data (of technical)

Acute Toxicity – Bird

LD₅₀ bobwhite quail : >2000mg/kg.

Acute Toxicity – Fish

LC₅₀ rainbow trout (96 hrs): 0.006 mg/L.

Acute Toxicity – Crustaceans

Daphnia LC₅₀ (48 hrs): 0.016 mg/L.

Acute Toxicity – Other organisms

Algae: E_bC₅₀ *Pseudokirchneriella subcapitata* (72 hrs): >0.843 mg/L.

Worms: LC₅₀ : 566 mg/kg soil.

Bees: LD₅₀ (contact): >73.1 µg/bee.

ENVIRONMENTAL FATE

Pyraclostrobin is expected to be immobile based upon a Koc range of 6,000 to 16,000 mL/g. A biodegradation half-life of 2-36 days in soil suggests that biodegradation may be an important environmental fate process. Pyraclostrobin is stable to hydrolysis in water.

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

UN Number: 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
 LIQUID, N.O.S (contains PYRACLOSTROBIN)
Class: 9
Packaging group: III
Hazchem: 3Z
Storage and Transport: Considered non dangerous for road and rail transport (in packaging) by the Australian Code for Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

IMO-IMDG

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

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification S5
Packaging & Labelling 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:

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

CONTACT POINT:

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