

## SAFETY DATA SHEET

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

<b>Product Name:</b>	<b>Kenso Agcare Procyon Gold Fungicide</b>
<b>Product Type:</b>	Group 3 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 the control of various diseases in wheat, barley, oats, triticale and canola.

### SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia. Not Classified as a Dangerous Good according to the ADG Code.
-------------------------------	--



<b>Classification of the Hazardous Chemical:</b>	Reproductive toxicity – Category 2 Specific target organ toxicity – repeated exposure – Category 2 Hazardous to the aquatic environment, long term – Chronic 1
<b>Hazard statements:</b>	H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects.
<b>Prevention:</b>	P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/ eye protection/ face protection/ hearing protection.
<b>Response:</b>	P308+P313: If exposed or concerned: Get medical advice/attention. P314: Get medical advice/ attention if you feel unwell.
<b>Storage:</b>	P391: Collect spillage. P405: Store locked up.
<b>Disposal:</b>	P501- Dispose of contents/container in accordance with local/ regional/national/international regulations.
<b>SUSMP Classification:</b>	S5
<b>ADG Classification:</b>	N/A
<b>UN Number:</b>	N/A

## Emergency Overview

**Physical Description & colour:** Liquid, Off white

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Prothioconazole	108928-70-6	21%
Tebuconazole	107534-96-3	21%
Inert ingredients	secret	<10%
Water	7732-18-5	to 100%

### SECTION 4 – FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air until recovered. Seek medical attention if discomfort or irritation continues.
<b>Skin contact:</b>	Remove contaminated clothing, wash skin with plenty of soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-wearing.
<b>Eye contact:</b>	Flush eyes immediately with plenty of fresh water for at least 15 minutes while holding the eyelids open. Seek medical attention if irritation persists. Take special care if contact lenses are worn.
<b>Ingestion:</b>	If swallowed, rinse mouth thoroughly with water and do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Australia). If vomiting occurs, make sure to prevent vomit from entering the lungs by careful placement of the patient. Never give anything by mouth to an unconscious person.

#### Advice to Doctor

Treat symptomatically.

### SECTION 5 – FIRE FIGHTING MEASURES

#### Fire/Explosion Hazards

Non-combustible. No risk of explosion under normal circumstances. Closed containers may explode when exposed to extreme heat.

#### Dangerous Decomposition or Combustion Product

Combustion products may emit toxic fumes such as oxides of carbon, nitrogen, hydrogen cyanide, hydrogen chloride, phosgene and other pyrolysis products.

#### Thermal Decomposition

This product is not flammable but likely to decompose only after heating to dryness, followed by further extreme heating.

#### Extinguishing Media

Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.

#### Fire Fighting

When fighting fires involving significant quantities of this product, call the fire brigade.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Spills and Disposal

Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Clean up spill immediately. Collect in sealed open-top containers for disposal. Triple rinse containers, and add rinsing to the spray tank, then offer container for recycling / reconditioning, or puncture top, sites and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

## SECTION 7 – HANDLING AND STORAGE

### Handling

Suspected of damaging fertility or the unborn child. Pregnant women must not handle this product. When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow length PVC gloves, face shield or goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat and elbow length PVC gloves. If product in eyes, wash out immediately with water. If product on skin, immediately wash area with soap and 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.

### Storage

Store in the closed, original container in a dry, cool, well-ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. DO NOT store for prolonged periods in direct sunlight.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

No exposure standard has been set for this product.

### Exposure Limits

Exposure limits have not been established for this product.

### Engineering Control

Handle in well ventilated areas, ensure natural ventilation at working area.

### Protective Equipment

- Eyes: Wear eye and face protectors to protect against splashing materials. Make sure emergency eye wash facilities are near to working area
- Clothing: Wear cotton overalls buttoned to the neck and wrist and a washable hat if skin exposure is likely.
- Gloves: Wear PVC or rubber gloves.
- Respiratory: Respirator is usually not necessarily required.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid
<b>Colour:</b>	Off white
<b>Odour:</b>	Characteristic
<b>pH:</b>	5.0 – 7.0 (1% solution)

<b>Boiling point (°C):</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Flash point:</b>	Not available
<b>Flammability:</b>	Not available
<b>Specific gravity:</b>	1.07 – 1.17 g/cm <sup>3</sup>
<b>Solubility:</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

### Conditions to Avoid

Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid heat, flames and sparks.

### Incompatibilities

Strong oxidizing agents.

### Fire Decomposition

Decomposition is likely only after heating to dryness, followed by further extreme heating. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Hydrogen chloride gas, other compounds of chlorine. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

### Polymerisation

This product is unlikely to undergo polymerisation reactions.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Toxicity data:

#### Acute Toxicity – Oral

LD<sub>50</sub>(male rat): >6200 mg/kg for Prothioconazole

LD<sub>50</sub>(male rat): >3000 mg/kg for Tebuconazole

#### Acute Toxicity –Dermal

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

LD<sub>50</sub>(rabbit): >5000 mg/kg for Tebuconazole

**Skin irritation:** IRRITANT

**Eye irritation:** Mild eye irritant.

**Sensitization:** Non sensitiser for prothioconazole.

## Potential Health Effects

### Health Effects

<b>Inhalation:</b>	May cause mild respiratory irritation, but any effects are expected to disappear soon after exposure has ceased.
<b>Skin contact:</b>	May cause skin irritation, unlikely to cause anything more than mild transient discomfort.
<b>Eye contact:</b>	Causes mild eye irritation.
<b>Ingestion:</b>	May be harmful if swallowed. Cause gastrointestinal irritation and redness.

### Mutagenicity

Data indicates no mutagenic effects for prothioconazole.

Data indicates no mutagenic effects for tebuconazole.

### Carcinogenicity

Not carcinogenic for prothioconazole.

Not carcinogenic for tebuconazole.

### Other Information

The Australian Acceptable Daily Intake (ADI) for prothioconazole is set at 0.01 mg/kg/day with corresponding NOAEL is set at 1.1 mg/kg/day.

The Australian Acceptable Daily Intake (ADI) for tebuconazole is set at 0.03 mg/kg/day with corresponding NOAEL is set at 2.96 mg/kg/day.

\*ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, December 2022.

## SECTION 12 – ECOLOGICAL INFORMATION

### Ecotoxicity data

#### Acute Toxicity – Bird

LD<sub>50</sub> for bobwhite quail; >2000 mg/kg for prothioconazole.

LD<sub>50</sub> for bobwhite quail; >5000 mg/kg for tebuconazole.

#### Acute Toxicity – Fish

LC<sub>50</sub> rainbow trout (96 hrs): >1.83 mg/L for prothioconazole.

LC<sub>50</sub> rainbow trout (96 hrs): >4.40 mg/L for tebuconazole.

#### Acute Toxicity – Crustaceans

Daphnia LC<sub>50</sub> (48 hrs): >1.30 mg/L, for prothioconazole.

Daphnia LC<sub>50</sub> (48 hrs): >2.79 mg/L, for tebuconazole.

#### Acute Toxicity – Other organisms

Bees: LD<sub>50(oral)</sub>: not toxic to bee >71 µg/bee for prothioconazole.

Bees: LD<sub>50(oral)</sub>: not toxic to bee >83 µg/bee for tebuconazole.

### ENVIRONMENTAL FATE

#### Breakdown in animal

Animals metabolized to the parent acid, prothioconazole, which is extensively absorbed and rapidly excreted, predominantly, via feces.

Animals metabolized to the parent acid, tebuconazole via hydroxylation and mainly excreted with the feces and urine.

#### Breakdown in vegetation

No free 1,2,4-triazole was detected in any plant matrix prothioconazole.

In plant tissues, a mean half life of 12 days has been established for tebuconazole.

#### Breakdown in soil and environment

Prothioconazole is rapidly degraded in water or sediment systems under aerobic condition (DT<sub>50</sub> for total system 2-3 d).

Tebuconazole degrades slowly in soil studies conducted in the laboratory. Under field conditions, the compound degraded much more rapidly and did not accumulate in long term (3-5 year) studies.

Since no residues could be detected in deeper soil layers of these and other studies, and adsorption/desorption studies indicate low mobility in soil, groundwater contamination through leaching can be excluded. In natural waters, hydrolysis and indirect photolysis occur; in a pond study, the compound dissipated from the water body with a DT<sub>50</sub> of weeks. Low vapour pressure and strong adsorption result in low volatilisation into the air.

### 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:** UN3082  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, PROTHIOCONAZOLE)  
**Class:** 9  
**Packaging group:** III  
**Hazchem:** 3Z  
**Storage and transport:** Considered dangerous for road and rail transport (in packaging) by Australian Code for the Transport of by Road and Rail. (Ref: ADG7 SP No.AU01)

#### IMO-IMDG

**UN Number:** UN3082  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, PROTHIOCONAZOLE)  
**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:

**National Poisons Information Centre:**

For 24 hour emergency response:

Dial

**Dial**

Dial

000

**13 11 26 (from anywhere in Australia)**

0428 776 327

Ask for Russell Clark