SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Avior Gold Fungicide**
Product Type:	Group 3 + 11 Fungicide
Company Name:	Kenso Corporation (M) Sdn. Bhd.
Address:	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number:	(07) 3216 1188
Emergency Telephone Number:	000 (Police or Fire Brigade) **13 11 26 (Poisons Information Centre)**
Use:	For the control of certain fungal disease including stripe rust of wheat and specified fungal diseases of barley, 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:
Serious eye damage/eye irritation – Category 2/2A
Carcinogenicity – Category 2
Reproductive toxicity – Category 2
Hazardous to the aquatic environment, long-term – Chronic 2

GHS Signal Word: **WARNING**

Hazard statements:
H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.
H411: Toxic to aquatic life with long lasting effects.

Prevention:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash contacted areas thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/ attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P391: Collect spillage.

Storage:	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: Off-white to beige liquid.
Odour: Characteristic odour
Major Health Hazards: May irritate the skin. Will irritate the eyes. Repeat exposure may cause allergic disorders.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Azoxystrobin	131860-33-8	12 %
Epoxiconazole	133855-98-8	10 %
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; wash mouth with water and give some water to drink. 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

Fire/Explosion Hazards
Dangerous Decomposition or Combustion Products

Thermal Decomposition
Product is not readily combustible under normal conditions. Yet, it will break down under fire conditions and organic component may burn. Fire decomposition products from this product are likely to be toxic if inhaled. Take suitable protective measures.
Extinguishing Media
Water fog, foam, carbon dioxide or dry chemical.
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 & 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.
Personal Protection
For appropriate personal protective equipment (PPE), refer Section 8.
Clean-up Methods – Large Spillages
Place damaged containers in recovery bins (if available) and return to manufacturer. If large liquid spills occur, attempt to recover as much spilt material from sumps and bunded areas absorbing remaining material into vermiculite or other absorbent.

SECTION 7 – HANDLING AND STORAGE

Handling
When handling this product, do not eat, drink or smoke.
When opening the container and preparing spray for boom spray equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and goggles. When opening the container and preparing spray for aerial spraying equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves, goggles and a half facepiece respirator. If applying by open cab boom spray equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and goggles.
If product in eyes, wash it out immediately with water. If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves, goggles, contaminated clothing and respirator, and if rubber wash with detergent and warm water.
Storage
Store in the closed, original container in a well-ventilated area as cool as possible out of direct sunlight. Keep from contact with fertilisers and seeds.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been set for this product.

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment

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

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 contaminated clothing and safety equipment, and if rubber wash with detergent and warm water.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Off-white to beige
Odour:	Characteristic odour
pH:	6.0 – 8.0
Boiling Point (°C):	Not available
Flashpoint:	Non flammable
Vapour Pressure:	Not available
Specific gravity:	1.07 ± 0.01 g/cm^3
Water Solubility:	Dispersible

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Conditions to Avoid

Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities

Strong oxidising agents and strong acids.

Fire Decomposition

Combustion or thermal decomposition may emit toxic and irritant vapors.

Polymerisation

This product will not undergo polymerisation reactions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (GHS ATE estimation)

Acute Toxicity – Oral

LD_{50} (rat): >2000 mg/kg

Acute Toxicity - Dermal

LD_{50} (rat): >5000 mg/kg

Acute Toxicity – Inhalation:

LC_{50} (rats) (4hr): >20 mg/kg

Skin irritation: NON IRRITANT

Eye irritation: IRRITANT

Sensitization: NON SENSITISER

Potential Health Effects

Health Effects

Product is an eye-irritant, suspected carcinogen, possible risk of impaired fertility and harm to unborn child.

Acute:

Inhalation: Product is not harmful through data available. It is unlikely to develop any discomfort.

Skin contact: Product should present no hazards in normal use. However, this product maybe irritating yet unlikely to cause anything more than mild transient comfort.

Eye contact: Product is moderate eye irritant. Symptoms like stinging, reddening of eyes and watering which may become copious may developed. Symptom disappear when exposure stopped and first aid measure taken.

Ingestion: This product is harmful if swallowed, developed symptoms may include burning sensation and mouth and throat reddening. Symptoms should disappear once exposure has ceased.

Reproductive Toxicity

Epoxiconazole technical is a suspected human reproductive toxicant based on some evidence of adverse effects on animal experiments.

Mutagenicity

Data indicates no mutagenic effects.

Carcinogenicity

Azoxystrobin technical is not carcinogenic. Yet epoxiconazole technical is a suspected human carcinogen based on some evidence of adverse effects on animal experiments.

Other Information

The Australian Acceptable Daily Intake (ADI) for Azoxystrobin is set at 0.1 mg/kg/day with corresponding NOAEL is set at 10 mg/kg/day. ADI for Epoxiconazole is set at 0.01 mg/kg/day with corresponding NOAEL is set at 1 mg/kg/day.

*ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, September 2024.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

Ecotoxicity data (of technical)
Acute Toxicity – Bird
LD_{50} quail: >2000 mg/kg for azoxystrobin; >2000 mg/kg for epoxiconazole
Acute Toxicity – Fish
LC_{50} trout (96 hrs): 0.47 mg/L for azoxystrobin; 2.2-4.6 mg/L for epoxiconazole
Acute Toxicity – Crustaceans
Daphnia EC_{50} (48 hrs): 0.28 mg/L for azoxystrobin; 8.7 mg/L for epoxiconazole
Acute Toxicity – Other organisms
Algae**:** EC_{50} *Selenastrum capricornutum* (120 hrs): 0.12 mg/L for azoxystrobin.
Algae**:** EC_{50} Green algae (72 hrs): 2.3 mg/L for epoxiconazole.
Earthworms**:** EC_{50} (14 days): 283 mg/kg soil for azoxystrobin; >1000 mg/kg soil for epoxiconazole
Bees: LD_{50} (contact): >200 µg/bee for azoxystrobin; >100 µg/bee for epoxiconazole.

ENVIRONMENTAL FATE
For azoxystrobin, it is classified as moderately mobile in soil. Field dissipation studies showed that neither azoxystrobin nor its major degrades were typically found in soil below the top 15 cm. K_{oc} *c.* 430. For epoxiconazole, degradation in soil by microbial activity, DT_{50} *c.* 2-3 mo. K_{oc} 957-2647.

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 SUBSTANCES, LIQUID, N.O.S. (contains Azoxystrobin and Epoxiconazole)
Class:	Class 9
Packaging group:	III
Hazchem:	2X
Storage and Transport:	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

IMO-IMDG

UN Number:	UN3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains Azoxystrobin and Epoxiconazole)
Class:	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	1800 951 288 03 9573 3188