


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Avior Gold Fungicide
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Hazardous Substances	
Emergency Telephone	0800 CHEMCALL (0800 243 622) (24 hours)
National Poisons Centre Use	0800 POISON (0800 764 766) (24 hours) For the control of a wide range of diseases in Wheat, Barley, Potatoes, Ryegrass seed crops, Sweetcorn and Maize

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
Hazard Classification	6.7B, 6.8B, 6.9B, 9.1B
Priority Identifier	WARNING KEEP OUT OF REACH OF CHILDREN
Secondary Identifier	6.7B = Suspected human carcinogen 6.8B = Suspected human reproductive or developmental toxicant 6.9B = Eye corrosive 9.1B = Toxic to aquatic organisms

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Azoxystrobin	131860-33-8	12% w/v
Epoxiconazole	133855-98-8	8% w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed DO NOT induce vomiting.
Eye	If concentrate or spray solution enters the eyes wash it out immediately with water. Remove contact lenses.
Skin	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with running water.
Inhalation	If inhaled move the victim to fresh air immediately.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Non flammable.
HAZCHEM Code	2Z
IER Guide No	47
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire Fighting Instructions	During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls, boots and gloves.
Spillage	Stop leak if safe to do so, and contain spill. Prevent spillage from entering drains or water courses. Absorb spillage with clay, sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recovery product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area with a detergent based solution preventing runoff from entering drains. If a significant quantity of material enters drains, immediately advise regional council and emergency services. Ensure legality of disposal by consulting regulations prior to disposal. Do not dispose of undiluted chemicals on site. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to.
Environmental Precautions	Concentrate, solutions and washings must be prevented from entering surface water, drains or waterways..

SECTION 7 – HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances (Classes 1, 4 & 5).. Store in a cool, dry, well ventilated place and protect from sunlight. Avoid temperatures below -5°C or above 35°C
Handling	Avoid contact with skin and eyes and inhalation of concentrate or spray mist Wear chemical resistant protective clothing including coveralls, boots, elbow-length PVC gloves, face shield and respiratory protection. If product contacts skin, immediately wash area with soap and water. Wash protective clothing gloves, face shield before reuse. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Record Keeping Additional Requirements	Keep records of use. All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace Exposure Standards	Azoxystrobin 8 h TWA: 2 mg/m ³ (Source: Syngenta) Propane-1,2-diol 8 h TWA: 10 mg/m ³ (Particulates) 8 h TWA: 470 mg/m ³ (Total [vapour & particulates]) (Source: UK HSE)
Engineering Controls	No special requirements. Product is used outdoors. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of Agrichemicals NZS8409.
Personal Protection	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of heavy exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls and gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Beige to light brown
Odour	Non specific
pH	5-7
Flash point (°C)	NA
Flammability Limits	Non flammable
Density (at 20°C)	1.070
Miscibility	Miscible
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Incompatibility	None known
Decomposition	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Dangerous Reactions	Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable.

SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

Ingestion	Not known – no cases of human poisoning known
Eye	Irritant
Skin	Not irritant
Inhalation	Not known – no cases of human poisoning known
Acute Toxicity (Active Ingredient)	Acute Oral LD ₅₀ (rats) : >2000 mg/kg Acute Dermal LD ₅₀ (rats) : >2000 mg/kg Acute Inhalation LC ₅₀ (rats) (4hr) : >6.32 mg/l
Sensitisation Effects	Not a sensitizer
Mutagenic Effects	None
Carcinogenic Effects	None
Reproductive Effects	None
Teratogenic (Birth) Effects	None
Systemic Effects	None

SECTION 12 – ECOTOXICITY INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

Ecotoxic Effects	<p>Acute toxicity to Birds LD₅₀ (mallard ducks and bobwhite quail) = >2000mg/kg</p> <p>Acute toxicity to Fish LC₅₀ (96 h) (rainbow trout) = 1.2mg/L LC₅₀ (96 h) (carp) = 2.8mg/L</p> <p>Growth Inhibition, Algae EC₅₀ (72 h) = 2.2mg/L</p> <p>Toxicity to aquatic Invertebrates LC₅₀ (48 h) (daphnia magna) = 0.83 mg/L</p> <p>Toxicity to soil dwelling organisms LC₅₀ (14 days) (earthworms) = 283 mg/kg</p> <p>Toxicity to honey bees LD₅₀ (14 days) >283ug/bee</p>
Environmental Fate	Azoxystrobin has medium bioaccumulation potential. DT ₅₀ (water) = >12 days; DT ₅₀ (soil) = 59.5 days.
Partition Co-Efficient (Kow)	Log P = 2.5 (20°C).
Environmental Exposure Limit	None established.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.
Container	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise submit to an approved waste disposal/recycling facility. DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Azoxystrobin, Epoxiconazole)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR101079
ACVM Approval No	P9229

SECTION 16 – OTHER INFORMATION

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

Contact Points	
Police, Ambulance and Fire Service	111
National Poisons Information Centre	0800 POISON (0800 764 766)
Hazardous Substances Emergency	0800 Chemcall (0800 243 622)

SAFETY DATA SHEET

