

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Avior 800 WG 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, sweetcorn, maize, grapes, field tomatoes, onions, peas, turf, potatoes and ryegrass seed crops.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
Hazard Classification Priority Identifier	6.1C, 6.3A, 6.4A, 6.9B, 9.1A, 9.2C WARNING
Secondary Identifier	KEEP OUT OF REACH OF CHILDREN 6.1C = May be fatal if swallowed, inhaled or absorbed through the skin 6.3A = May cause skin irritation 6.4A = Harmful – may cause eye irritation 6.9B = Danger of serious damage to health by prolonged exposure 9.1A = Very toxic to aquatic organisms 9.2C = Harmful to the soil environment

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Azoxystrobin	131860-33-8	80% w/w
Inert ingredients	secret	To 100% w/w

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	2X
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 suitable protective clothing including chemical resistant; coveralls, face shield, gloves and boots.
Spillage	Prevent the product or spilled material from entering water bodies. Sweep up spill material and wash area with water and absorb with inert material. Dispose of recovered product and contaminated material in an approved hazardous substances waste management facility or local authority transfer facility capable of hazardous waste disposal.
Environmental	Washings must be prevented from entering surface water drains or waterways.

Precautions

SECTION 7 – HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in original container, tightly closed, away from animal and human foodstuffs, seeds and fertilisers and other incompatible hazardous substances (Classes 1, 3 & 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. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Certified Handler Tracking	Not required.
Record Keeping	Not required.
Additional Requirements	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 vapors 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 agrichemical NZS8409.
Personal Protection	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls and gloves and boots.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Granules
Colour	Off white to light brown
Odour	Non specific
pH	6-9
Flash point (°C)	NA
Flammability Limits	Non flammable
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	May be fatal
Eye	Irritant
Skin	Irritant
Inhalation	May be fatal
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 hazardous substances waste management facility or other approved waste 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 crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains AZOXYSTROBIN)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 Kg

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR100836
ACVM Approval No	P8910

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)