

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Avior 800 WG Fungicide
Company Name: Kenso Corporation (M) Sdn Bhd
Address: 49B, Apollo Drive, Rosedale, Auckland 063 NZ
Telephone Number: (09) 410 0861
Emergency Telephone Number: (24 Hours) 0800 243 622
National Poisons & Hazchem Information Centre : 0800 POISON (0800 764 766)
Use: 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 classification: 6.1C, 6.3A, 6.4A, 6.9B, 9.1A, 9.2C
Priority Identifier: WARNING
KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers: 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 number	Proportion
Azoxystrobin	131860-33-8	80%
Inert ingredient	secret	To 100%

SECTION 4 – FIRST AID MEASURES

Swallowed	If swallowed, do not induce vomiting. Wash mouth out with water and contact National Poisons Information Centre, or seek medical advice immediately.
Eye	Hold the eyes and flush immediately with plenty of water until the product is removed – at least 15 minutes. Seek medical advice if irritation develops.
Skin	Remove contaminated clothing and wash affected areas or skin with soap and water. Seek medical advice if irritation develops.
Inhaled	Remove to fresh air, keep warm and at rest. Give artificial respiration or oxygen if breathing is shallow or stopped. Get medical attention immediately.

Advice to Doctor:
Treatment is symptomatic.

SECTION 5 – FIRE FIGHTING MEASURES

- Fire/Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.
- Extinguishing Media:** Use dry chemical, foam or CO₂ extinguishing media.
- Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire service.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Spills**
- (1) Keep all bystanders away.
 - (2) Wear eye protection,, respiratory protection with a minimum of Organic Vapour cartridges, chemical resistant coveralls and Nitrile/PVC gloves.
 - (3) Reposition any leaking containers so as to minimise further spillage.
 - (4) Shovel the spilled material into chemical resistant recovery drums.
 - (5) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.
- Disposal:** Disposal of the material will depend upon the extent of the spill. Contaminated material must be disposed of in accordance with all local authority requirements.
It is suggested:
For quantities up to 50 kg's of product bury in a secure approved landfill site.
For quantities greater than 50 kg's seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.
- Personal Protection:** For appropriate personal protective equipment (PPE), refer to Section 8.
- Environmental Precautions:** Granules and/or washings must be prevented from entering waterways.

SECTION 7 – HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes and inhalation of dust from concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Storage:

Keep secured under lock and key, keep out of reach of children. Store in original container, tightly closed, away from human and animal foodstuffs, human and animal medicines/remedies, food packaging. Store in a cool, dry, well ventilated place and protect from sunlight. Segregate from Hazardous Substances Classes 1, 4, and 5.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:

Azoxystrobin TWA: 2 mg/m³

Engineering Controls:

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 dust is 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 Protective Equipment:

When opening the container, preparing spray and using the prepared spray, wear chemical resistant coveralls, , elbow-length Nitrile/PVC rubber gloves and respiratory and eye protection

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granules
Colour:	Light brown granules
Odour:	No characteristic odour
Boiling point (°C):	Not applicable
Solubility in Water:	Miscible

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Hazardous Polymerization:	Hazardous polymerization is not possible.
Conditions to Avoid:	This product should be kept in a cool place, preferably below 30°C.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity

Azoxystrobin:

Oral LD₅₀ (rats) = >5000 mg/kg
Acute percutaneous LD₅₀ (rats) = >2000 mg/kg
Inhalation LC₅₀ (4h, nose only) for male rats = 0.96 mg/L
Inhalation LC₅₀ (4h, nose only) for female rats = 0.69 mg/L

SECTION 12 – ECOLOGICAL INFORMATION

Persistence /Degradability

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Known Harmful Effects on the Environment

Very toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment. Insufficient data to be sure of status.

Azoxystrobin is highly toxic for freshwater fish and invertebrates and very highly toxic for marine invertebrates.

Other Precautions Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

Ecotoxicity:

Aquatic Organisms:

Azoxystrobin is very toxic to fish species.
LC₅₀ (Rainbow trout) = 6.7 mg/L

LC50 (Sunfish) = 2.25 mg/L

Birds:

LD50 (Bobwhite quail) = 930 mg/kg

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

UN Number (Sea Transport): 3077

IMO Proper Shipping: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains AZOXYSTROBIN)

Class: 9

Packaging Group: III

SECTION 15 – REGULATORY INFORMATION

HSNO Approval Number: HSR100836

HSNO Controls (inc. Tracking and Record Keeping):

See <http://www.epa.govt.nz> for controls.

ACVM Registration: P8910

ACVM Controls:

See www.footsafety.govt.nz for registration conditions.

SECTION 16 – OTHER INFORMATION

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

Contact Points:

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