

## SAFETY DATA SHEET

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

**Product Name:** Capella Fungicide  
**Company Name:** Kenso Corporation (M) Sdn Bhd  
**Address:** 2 Bond Crescent, Forrest Hill,  
Auckland 0620 New Zealand

**Hazardous Substances**  
**Emergency Telephone Number:** 0800 CHEMCALL (0800 243 622)  
**National Poisons Information Centre:** 0800 POISON (0800 764 766)  
**Use:** For the control of Botrytis in Grapes and Onions and Botrytis, Anthracnose and Rhizopus in Strawberries.

### SECTION 2 – HAZARDS IDENTIFICATION

**Hazard classification:** 6.9B, 9.1A  
**Priority Identifier:** WARNING  
ECOTOXIC  
KEEP OUT OF REACH OF CHILDREN  
**Secondary Identifiers:** 6.9B = May cause liver damage from repeated oral exposure at high doses  
9.1A = Very toxic to aquatic organisms

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Cyprodinil	121552-61-2	375g/kg
Fludioxonil	131341-86-1	250g/kg
Other ingredients	secret	Up to 1kg

### SECTION 4 – FIRST AID MEASURES

**First Aid Measures** For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.

**Inhalation** Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Ingestion** Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.

**Skin** Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.

<b>Eye</b>	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
<b>First Aid Facilities</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
<b>Advice to Doctor</b>	Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Dry Chemical, water spray, carbon dioxide
<b>Fire/ Explosion Hazard</b>	Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.
<b>Special Protective Equipment for fire fighters</b>	Full protective clothing and self-contained breathing apparatus.
<b>Hazchem Code</b>	2X

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Spills &amp; Disposal</b>	Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust (use water to dampen). Place in waste containers. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill or hazardous substances disposal facility.
------------------------------	--

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin and eyes. Avoid inhaling the vapour, or spray mist. Wash thoroughly after handling. Wash clothing after use.
<b>Storage</b>	Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight and under lock and key. Keep from contact with fertilizers, fungicides and seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### National Exposure Standards

	Exposure Limits	Type of Exposure Limit
Cyprodinil	7 mg/m <sup>3</sup>	8 h TWA
Fludioxonil	10 mg/m <sup>3</sup>	8 h TWA

### 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 Agrichemical NZS8409.

#### Personal Protective Equipment

When using or handling use respiratory protection to a minimum of organic vapour standard, eye protection, chemical resistant gloves, coveralls and boots. Use only protective equipment bearing the mark of the Standards Association with Australia/ New Zealand.

#### Hygiene Measures

Change work clothes daily. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. If product gets 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.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Solid
<b>Appearance</b>	grey to brown granule
<b>Odour</b>	Non-specific
<b>Melting Point</b>	NA
<b>Density</b>	NA
<b>Other Information</b>	(WG) Water Dispersible Granule

### SECTION 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal temperatures and storage conditions
<b>Incompatible materials:</b>	Not known
<b>Decomposition</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours.
<b>Polymerisation:</b>	Polymerisation will not occur

### SECTION 11 – TOXICOLOGICAL INFORMATION

#### Acute Toxicity:

Oral: LD<sub>50</sub> (rat) >5000 mg/kg  
Dermal: LD<sub>50</sub> (rabbit) >2000 mg/kg  
Inhalation: LC<sub>50</sub> (rat) 4 hrs >2.51 mg/L air

#### Irritation:

Eye: not irritant  
Skin: not irritant

#### Sensitization:

Not a sensitizer

### SECTION 12 – ECOLOGICAL INFORMATION

#### Ecotoxicity data for Cyprodinil:

**Effects on birds:** LD<sub>50</sub> for mallard ducks + bobwhite quail is  $\geq 2000$  mg/kg

#### Effects on aquatic organisms:

LC<sub>50</sub> (96 Hours) for rainbow trout is 6.2 mg/L.

EC<sub>50</sub> (72 Hours) for *Scenedesmus subspicatus* (green algae) is ca 1.5 mg/L

**Effect to aquatic Invertebrates:** EC<sub>50</sub> (48 Hours) for *Daphnia magna* straus is ca 0.2 mg/L

**Effect to soil dwelling organisms:** LC<sub>50</sub> (14 days) for Eisenia foetida is 192 mg/kg

**Effects on honey bees:** LD<sub>50</sub> (oral) ≥ 316 ug/bee  
LD<sub>50</sub> (contact, 48 Hours) ≥ 101 ug/bee

**Environmental Fate:**

Cyprodinil is not persistent in water; degradation half life: ca. 10 d. Cyprodinil is not persistent in soil; degradation half life: 0.1-2d. Cyprodinil has low to slight mobility in soil.

Log Kow log P= 3.9 (pH 5.0), 4.0 (pH 7.0 - 9.0) (250°C)

### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Product Disposal</b>	Dispose of product only by using according to the label, or at an approved landfill.
<b>Container Disposal</b>	Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

### SECTION 14 – TRANSPORT INFORMATION

<b>Transport Information</b>	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
<b>U.N. Number</b>	3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (CYPRODINIL AND FLUDIOXONIL)
<b>DG Class</b>	9
<b>Hazchem Code</b>	2X
<b>Packaging Method</b>	-
<b>Packing Group</b>	III
<b>EPG Number</b>	-
<b>IERG Number</b>	47
<b>IMO Marine Pollutant</b>	Yes. Environmentally Hazardous Substance mark required.

### SECTION 15 – REGULATORY INFORMATION

**National and or International Regulatory Information**

Registered pursuant to the ACVM Act 1997, No. P9230

See [www.foodsafety.govt.nz/acvm/](http://www.foodsafety.govt.nz/acvm/) for registration conditions

Approved pursuant to the HSNO Act 1996, Approval Code HSR000645

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

### SECTION 16 – OTHER INFORMATION

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

**CONTACT POINT:**

Police and Fire Service:	Dial	111
National Poisons Information Centre: Hazardous Substances	Dial	0800 POISON (0800 764 766)
Emergency Telephone Number:	Dial	0800 CHEMCALL (0800 243 622)