


Safety Data Sheet

Mirano® wg

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Mirano WG	
Active Ingredient(s):	500g/kg cyprodinil	
ACVM Approval:	P8170	
ERMA Approval:	HSR000615	
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adriacp.co.nz	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
2) Hazards Identification:		
HSNO Classifications:	6.1E, 6.9B, 9.1A	
Risk and safety phrases:	Xn,N, R43,R50/53,S2,S13,S20/21,S35,S57	
3) Composition Details:		
Chemical identity:	Cyprodinil	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Cyprodinil	121552-61-2	50
4) First Aid Measures:		
General Information:		
Skin contact:	Wash immediately with soap and water. Do not rub skin.	
Eye contact:	Flush eyes immediately and continue for at least 15 minutes. Seek medical attention.	
Ingestion:	Do NOT induce vomiting if swallowed. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or seek medical attention immediately.	
Inhalation:	Remove to fresh air while keeping patient calm. Seek medical attention.	
Further Information:	Treatment: No known specific antidote. Treat symptomatically (decontamination, vital functions).	

5) Fire-Fighting Measures:	
Specific hazards:	Specific hazards in a fire: Hazardous products of combustion or toxic fumes may be released.
Extinguishing media and methods:	Make use of water fog or fine spray, foam, dry chemical, or carbon dioxide to extinguish fires.
Recommended protective clothing:	Wear SCBA and appropriate chemical-protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Use protective clothing. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke whilst using the product.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater or into subsoil/soil.
Spill procedures:	Clean spills, being careful not to create dust and place in waste containers. Shovel the absorbed spills into drums, then add hydrated lime and cover with soil. Wash contaminated area and prevent material from entering waterways.
Disposal procedures:	Ensure the packaging is empty. Rinse the packaging and add the residue to the spray tank. If allowed under local Territorial Authority District Plans, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. DO NOT reuse this container for any other purpose.
7) Handling & Storage:	
Handling:	Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from heat, sparks, open flame and direct sunlight.
Storage:	Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds and sources of ignition. Protect from extreme temperatures. Keep out of reach of children and away from uninformed persons.
8) Exposure Control / Personal Protection:	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Use particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Wear safety goggles with side-shields.
Hand protection:	Dependant on activity; Wear suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)).
Other protective equipment:	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.

General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use and wash hands and face before breaks and after work.
9) Physical & Chemical Properties:	
Form:	Granules
Colour:	Brown
Odour:	Characteristic, weak
Melting point/boiling point:	> 78 °C
Density:	0.48 g/cm ³
Surface tension:	N/A
pH:	7 - 11 at 1.0 % w/v
Flash point:	Not flammable.
Ignition Temperature:	N/A
Explosive Limits:	Not explosive
10) Stability & Reactivity:	
Conditions to avoid:	Avoid excessive temperatures and sources of ignition.
Materials to avoid:	
Hazardous reactions:	Stable under normal conditions. Hazardous polymerization does not occur.
11) Toxicological Information:	
Acute oral toxicity:	LD ₅₀ > 2,000 mg/kg, rat.
Acute inhalation toxicity:	LC ₅₀ (4h) > 2,000 mg/m ³ air, rat.
Acute dermal toxicity:	LD ₅₀ > 2,000 mg/kg, rat.
Skin irritation:	Not an irritant, rabbit.
Eye irritation:	Not an irritant, rabbit.
Sensitisation:	Not a sensitizer, guinea pig.
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ (96h) Rainbow trout > 6.0 mg/l.
Toxicity for daphnia:	EC ₅₀ Daphnia magna 0.14 mg/l.
Toxicity to algae:	E _r C ₅₀ (72h) Selenastrum capricornutum > 4.0 mg/l.
13) Disposal Considerations:	
Disposal: 	When emptying container, triple rinse and add remaining material to spray tank. Do not re-use containers. Return the empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contaminating any water supply with the chemical or empty container.

14) Transportation Information:

Rail/road (RID/ADR):

Proper shipping name :
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
(CYPRODINIL), UN-No: 3077,
Class: 9,
Packaging group III



ECOTOXIC

Sea (IMDG code):

Proper shipping name :
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
(CYPRODINIL), UN-No: 3077,
Class: 9,
Packaging group III



ECOTOXIC

Air (ICAO/IATA):

Proper shipping name :
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
(CYPRODINIL), UN-No: 3077,
Class: 9,
Packaging group III



ECOTOXIC

15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler during use.

ACVM controls:

See www.nzfsa.govt.nz/acvm/ for registration conditions.