

Safety Data Sheet

Emerald[®] 10WG

 Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Emerald 10WG	
Active Ingredient(s):	100g/kg difenoconazole	
ACVM Approval:	P7651	
ERMA Approval:	HSR007765	
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:	6.9B, 9.1B	
Risk and safety phrases:		
3) Composition Details:		
Chemical identity:	Difenoconazole	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Difenoconazole	119446-68-3	10 %
Inerts not contributing to hazard		
4) First Aid Measures:		
General Information:		
Skin contact:	After contact with skin, wash immediately with soap and water.	
Eye contact:	If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Keep patient calm. Remove to fresh air and seek medical attention.	
Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.	

5) Fire-Fighting Measures:	
Specific hazards:	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.
Extinguishing media and methods:	Use dry chemical, foam or CO2 extinguishing media.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Use protective clothing. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
Handling:	No special technical protective measures required. No special handling advice required.
Storage:	Keep out of reach of children. Store in original container, tightly closed, away from foodstuffs. Store in a cool, dry, well ventilated place and protect from sunlight. Avoid temperatures above 35°C.
8) Exposure Control / Personal Protection:	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Safety goggles with side-shields.
Hand protection:	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 out of reach of children. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Avoid contact with skin or eyes and inhalation of spray mist. Wash hands and exposed skin after use and before meals.

9) Physical & Chemical Properties:	
Form:	Water dispersable granule
Colour:	Off-white
Odour:	Characateristic
Melting point/boiling point:	± 80 °C
Density:	± 0.5 g/cm ³
Surface tension:	N/A
pH:	8.5
Flash point:	N/A
Ignition Temperature:	± 400 °C
Explosive Limits:	Not explosive
10) Stability & Reactivity:	
Conditions to avoid:	None known
Materials to avoid:	None known
Hazardous reactions:	None known
11) Toxicological Information:	
Acute oral toxicity:	> 2 000 mg/kg
Acute inhalation toxicity:	Not toxic under normal conditions of use and storage
Acute dermal toxicity:	> 2 000 mg/kg
Skin irritation:	Not an irritant
Eye irritation:	Irritant
Sensitisation:	Not a sensitiser
12) Ecological Information:	
Acute fish toxicity:	LC50 (96 h) for rainbow trout 0.81 mg/L
Toxicity for daphnia:	LC50 (48 h) 0.77 mg/L
Toxicity to algae:	EC50 (72 h) for Scenedesmus subspicatus 0.032-1.2 mg/L
13) Disposal Considerations:	
Disposal:	Ensure the container is empty. Rinse the container 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.
Empty container precautions:	VERY TOXIC TO AQUATIC ORGANISMS. Avoid contamination of any water supply with chemical or empty container.

14) Transportation Information:

Rail/road (RID/ADR):

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Difenoconazole)
Class 9
Packing group III
UN: 3077



Sea (IMDG code):

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Difenoconazole)
Class 9
Packing group III
UN: 3077
Marine Pollutant



Air (ICAO/IATA):

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Difenoconazole)
Class 9
Packing group III
UN: 3077



15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler at all times.

ACVM controls:

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