

Safety Data Sheet

Difference[®] 250EC

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Difference 250EC	
Active Ingredient(s):	Difenoconazole 250 g/l EC.	
ACVM Approval:	P7387	
ERMA Approval:	HSR01692	
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:	3.1D, 6.1E, 6.3B, 6.4A, 6.9B, 9.1B	
Risk and safety phrases:	Harmful if swallowed. Irritating to eyes and skin. Vapours may cause drowsiness and dizziness.	
Environmental hazard	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Primary route of exposure	Vapours inhalation. Skin contact.	
Symptoms relating to use:		
Inhalation	Dizziness. Drowsiness.	
Skin contact	May cause immediate skin irritation and blistering.	
Eye contact	Risk of damage to eyes. Eye irritant upon direct contact.	
Ingestion	Weakness. Abdominal pain, nausea.	
3) Composition Details:		
Chemical identity:	Difenoconazole	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Difenoconazole	119446-68-3	22-25%
4) First Aid Measures:		
General Information:		
Skin contact:	For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / water. Obtain medical attention if irritation persists.	
Eye contact:	In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain emergency medical attention if pain,	

	blinking, tears or redness persist.
Ingestion:	Rinse mouth. DO NOT INDUCE VOMITING. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
Inhalation:	Assure fresh air breathing. Rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulty persists.
5) Fire-Fighting Measures:	
Specific hazards:	Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides. Halogens.
Extinguishing media and methods:	Small fire: Dry chemical. Large fire: Alcohol foam. Water spray. Water fog. Do not use a heavy water stream.
Recommended protective clothing:	Wear proper protective equipment.
Special procedures	Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
6) Accidental Release Measures:	
Personal precautions:	Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Respiratory protection equipment may be necessary.
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Spill procedures:	Clean up any spills as soon as possible, using an absorbent material to collect it.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
General	No naked lights. No smoking.
Precautions in handling and storage	Handle in accordance with good industrial hygiene and safety procedures.
Technical Protective Measures:	Use grounded electrical/mechanical equipment.
Handling:	Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Storage:	Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8) Exposure Control / Personal Protection:

Industrial hygiene:	Local exhaust and general ventilation must be adequate to meet exposure standards. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Respiratory protection:	Where excessive vapour may result, wear approved mask.
Eye protection:	Chemical goggles or face shield with safety glasses.
Hand protection:	Wear suitable gloves resistant to chemical penetration.
Skin Protection:	Skin protection appropriate to the conditions of use should be provided.
General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.

9) Physical & Chemical Properties:

Form:	Liquid
Colour:	Brown
Odour:	Characteristic
Melting point/boiling point:	-
Density:	1.07
Surface tension:	36.1 (25°C)
pH:	-
Flash point [°C]:	75
Ignition Temperature: [°C]:	-
Explosive Limits:	N/A
Viscosity:	2.3 - 2.5 mm ² /s (40°C)
Solubility in water	Emulsion.

10) Stability & Reactivity:

Physico-chemical stability	Stable.
Hazardous decomposition products	Thermal decomposition generates: Carbon monoxide. Carbon dioxide. Nitrogen oxides. Halogens. Hydrochloric acid.
Hazardous reactions:	Reacts with: Oxidizing agent. Strong acids. Strong bases.


11) Toxicological Information:

Acute toxicity:	
-Dermal	Irritating to skin. Non-sensitizer.
-Ocular	Irritating to eyes.
-Ingestion	Harmful if swallowed.
Rat oral LD50 [mg/kg]	200 to 2000
Percutaneous (rat) LD50 [mg/kg]	> 2,000
Rat inhalation LC50 [mg/l/4h]	Not classified.
On ingredients	See Heading: Information on ingredients.




12) Ecological Information:

Ecological effects information	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
LC50 96h fish [mg/l]	3.1
48 H-LC50 - Daphnia magna [ppm]	3.6
IC50 72h Algae [mg/l]	1.2
On ingredients	See Heading: Information on ingredients.

13) Disposal Considerations:

Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.

14) Transportation Information:

Rail/road (RID/ADR):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIFENOCONAZOLE, 250 g/l), Class 9 Packing group III UN: 3082 
Sea (IMDG code):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIFENOCONAZOLE, 250 g/l), Class 9 Packing group III UN: 3082 Marine Pollutant 
Air (ICAO/IATA):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIFENOCONAZOLE, 250 g/l), Class 9 Packing group III UN: 3082 

15) Regulatory Information:

Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	No.
ACVM controls:	See www.nzfsa.govt.nz/acvm/ for registration conditions.

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