

Material Safety Data Sheet

Difuse[®] 25WP

Date of issue: 15th May, 2009

1) Identification of Substance:

Product name:	Difuse 25WP
Active Ingredient(s):	Diflubenzuron 250 g/kg WP.
ACVM Approval:	P7579
ERMA Approval:	HSR00695
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:	6.3B, 6.4A, 6.9B, 9.1A
Risk and safety phrases:	No significant hazards.
Environmental hazard	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Symptoms relating to use:	
Inhalation	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Skin contact	Not expected to present a significant skin hazard.
Eye contact	Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.


3) Composition Details:




Chemical identity:		Diflubenzuron	
Chemical identity of ingredients:			
Ingredient:	CAS No.:	Content (%w/v)	
Diflubenzuron	035367-38-5	23.7 to 26%	

4) First Aid Measures:

General Information:	
Skin contact:	Wash skin with mild soap and water. Seek medical attention if ill effect or irritation develops.
Eye contact:	In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain

	medical attention if pain, blinking or redness persist.
Ingestion:	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. 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: - Not to be used	All extinguishing media can be used. Do not use a heavy water stream.
Surrounding fires	Use water spray or fog for cooling exposed containers.
Recommended protective clothing:	Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	Exercise caution when fighting any chemical fire.
6) Accidental Release Measures:	
Personal precautions:	Equip cleanup crew with proper protection.
Environmental precautions:	Notify authorities if product enters sewers or public waters.
After spillage and/or leakage:	Sweep or shovel spills into appropriate container for disposal.
7) Handling & Storage:	
General	Avoid all unnecessary exposure.
Handling:	Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Storage:	Store in dry, well-ventilated area. Keep container closed when not in use. Keep away from heat.
8) Exposure Control / Personal Protection:	
Industrial hygiene:	Provide local exhaust or general room ventilation to minimize exposure to dust.
Respiratory protection:	Suitable respiratory equipment.
Eye protection:	Goggles.
Hand protection:	Gloves.
Skin Protection:	Skin protection appropriate to the conditions of use should be provided.
Ingestion:	When using, do not eat, drink or smoke.

9) Physical & Chemical Properties:	
Form:	Powder
Colour:	Cream
Odour:	-
Melting point/boiling point:	-
Density:	-
Surface tension:	-
pH:	7.2
Flash point [°C]:	-
Ignition Temperature: [°C]:	-
Explosive Limits:	N/A
Viscosity:	-
Solubility in water	In water, material soluble.
10) Stability & Reactivity:	
Hazardous decomposition products	When heated to decomposition, emits dangerous fumes. Carbon monoxide. Carbon dioxide. Halogens. Nitrogen oxides.
Hazardous reactions:	Reacts with: Oxidizing agent. Acids. Alkalis, finely divided metals.
Hazardous properties:	None under normal conditions.
Conditions to avoid:	Direct sunlight.
11) Toxicological Information:	
Acute toxicity:	
-Dermal	Not expected to present a significant skin hazard under anticipated conditions of normal use.
-Ocular	May cause minor eye irritation.
-Ingestion	Harmful if swallowed.
Rat oral LD50 [mg/kg]	>2000
Rabbit dermal LD50 [mg/kg]	> 2,000
Rat inhalation LC50 [mg/l/4h]	>5
On ingredients	See Heading: Information on ingredients.
12) Ecological Information:	
Ecological effects information	This product contains hazardous components. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
LC50 96h fish [mg/l]	No data available.
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):	<p>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIFLUBENZURON), UN: 3077 Class 9 Packing group III</p> 
Sea (IMDG code):	<p>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIFLUBENZURON), UN: 3077 Class 9 Packing group III Marine Pollutant</p> 
Air (ICAO/IATA):	<p>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIFLUBENZURON), UN: 3077 Class 9 Packing group III Packing Instructions: 911/NO LIMIT - 911L/NO LIMIT</p> 
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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