


Safety Data Sheet

Diffflan® 500SC

1) Identification of Substance:	
Product name:	Diffflan 500SC
Active Ingredient(s):	500g/litre diflufenican
ACVM Approval:	P7674
EPA Approval:	HSR001647
Distributed by:	Adria Crop Protection P.O. Box 535, Kumeu 0841, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adria.nz
Emergency Number: National Poisons and Hazchem Information Centre	0800 734 607 (24hr)3 0800 POISON (0800 764 766)
2) Hazards Identification:	
	
HSNO Classifications:	6.9B, 9.1A, 9.2C
Signal Word:	Warning.
Hazard Statement Codes:	
H371/H373	May cause organ damage through prolonged and repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H423	Harmful to the soil environment.
Prevention Statement Codes:	
P101	If medical advice is needed have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe dust or spray mist.
P264	Wash entire body thoroughly after handling.

P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves and clothing and eye/face protection.
Response Statement Codes:	
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or a doctor/physician.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
P362	IF IN EYES: Rinse cautiously with water for several
P305+P351+P338	minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391	Collect spillage.
Storage Statement Codes:	
P403+P235	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.


3) Composition Details:

Chemical identity:	Diflufenican	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Diflufenican	83164-33-4	50

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. Remove contact lenses, if present and easy to do. Continue rinsing. 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:	Toxic fumes.
Extinguishing media and methods:	Dry chemical, water spray, foam, carbon dioxide.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
Hazchem Code:	3Z
6) Accidental Release Measures:	
Personal precautions:	Avoid contact with skin, eyes and clothing by wearing the protective clothing detailed in section 8). Remove contaminated clothes and shoes immediately. Rewash contaminated clothing before reuse.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear the protective clothing detailed in section 8). 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:	Wear the protective clothing detailed in section 8). Ventilation required.
Storage:	Store locked up in a well-ventilated place. Keep containers tightly closed. Protect against freezing.
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 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:	Beige
Odour:	Odourless
Melting point/boiling point:	>100°C
Density:	1.18g/mL approx.
Surface tension:	-
pH:	7.3
Flash point:	n/a
Ignition Temperature:	n/a
Explosive Limits:	n/a
10) Stability & Reactivity:	
Conditions to avoid:	Temperature extremes
Materials to avoid:	Oxidizing agents, acids and alkali.
Hazardous reactions:	None known at time of publishing
11) Toxicological Information:	
Acute oral toxicity:	LD50 (Rat) >2000 mg/kg
Acute inhalation toxicity:	LC50 (4 hr) (Rat) >2.34 mg/l
Acute dermal toxicity:	-
Skin irritation:	-
Eye irritation:	-
Sensitisation:	-
12) Ecological Information:	
Acute fish toxicity:	LC50 (96 hr) (Rainbow trout) >56 – 100 mg/l
Toxicity for daphnia:	LC50 (48 hr) (Daphnia) >10 mg/l
Toxicity to algae:	LC50 (96 hr) (Green Algae) >10 mg/l
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:	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, (DIFLUFENICAN 50%), LIQUID, N.O.S. CLASS 9, PACKING GROUP III UN: 3082 Hazchem 3Z
Sea (IMDG code):	
Air (ICAO/IATA):	

15) Regulatory Information:

Certified Handlers:	Not required.
Tracking:	Not required but a record should be kept of use and disposal.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions

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