


Safety Data Sheet

Pilan[®] 500SC

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Pilan 500SC	
Active Ingredient(s):	500g/litre buprofezin	
ACVM Approval:	P8056	
ERMA Approval:	HSR100077	
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, 6.3B, 6.4A, 6.9B, 9.1D, 9.2D, 9.3C	
Risk and safety phrases:	-	
3) Composition Details:		
Chemical identity:	Buprofezin	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Buprofezin	69327-76-0	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:	Carbon monoxide, hydrogen fluoride and nitrogen oxides may be released during fire.
Extinguishing media and methods:	Make use of water, 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. Remove contaminated clothes and shoes immediately.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater or into subsoil/soil.
Spill procedures:	Absorb spills with inert material and place in waste containers. Prevent material from entering waterways. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely in appropriate containers, according to local Council regulations.
7) Handling & Storage:	
Handling:	Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from 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. Protect from temperatures above: 40 °C
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:	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:	Viscous liquid.
Colour:	Off white.
Odour:	-
Melting point/boiling point:	Below +- 0 ° C. / +- 100 ° C at 100 kPa.
Density:	1.18 (20 ° C)
Surface tension:	-
pH:	6.5
Flash point:	Not flammable.
Ignition Temperature:	Not combustible.
Explosive Limits:	Not combustible. Does not burn.
10) Stability & Reactivity:	
Conditions to avoid:	Avoid excessive temperatures.
Materials to avoid:	-
Hazardous reactions:	None known.
11) Toxicological Information:	
Acute oral toxicity:	Low. LD ₅₀ (rat): > 2000mg/kg.
Acute inhalation toxicity:	Low toxicity. LC ₅₀ (rat) = > 4.57mg/L / 4hr
Acute dermal toxicity:	Low. LD ₅₀ (rabbit): > 5000mg/kg.
Skin irritation:	Mild skin irritant (guinea pigs); Not irritating to skin in rabbits.
Eye irritation:	May cause light, temporary, eye irritation. Not irritating to eyes in rabbits.
Sensitisation:	Not a skin sensitiser (guinea pigs).
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ carp (<i>Cyprinus carpio</i>): 2,7mg/L LC ₅₀ Rainbow trout (<i>Oncorhynchus mykiss</i>): >1,4mg/L
Toxicity for daphnia:	Pulex: EC ₅₀ 50.6mg/L
Toxicity to algae:	-
13) Disposal Considerations:	
Disposal: 	When emptying container, triple rinse and add remaining material to spray tank. 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):	Not a Dangerous Good.
Sea (IMDG code):	Not a Dangerous Good.
Air (ICAO/IATA):	Not a Dangerous Good.
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.