



Safety Data Sheet



Acumen®

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Acumen	
Active Ingredient(s):	840g/litre acetochlor	
ACVM Approval:	P7676	
ERMA Approval:	HSR000404	
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:	6.1D, 6.3A, 6.4A, 6.5B, 6.9B, 9.1A, 9.2A, 9.3C	
Risk and safety phrases:		
3) Composition Details:		
Chemical identity:	Acetochlor	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Acetochlor	34256-82-1	84
Dichlormid	37764-25-3	> 10
Aromatic solvent	64742-94-5	> 10
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:	If involved in a fire, it will emit hydrogen chloride and possibly organochlorine compounds.
Extinguishing media and methods:	Dry chemical, water spray, foam, carbon dioxide.
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:	Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.
Storage:	Keep away from heat and protect from sunlight. 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:	Purplish colour
Odour:	Characteristic
Melting point/boiling point:	> 100 °C
Density:	1060 – 1090 g/L

Surface tension:	N/A
pH:	7,0
Flash point:	> 100 °C
Ignition Temperature:	N/A
Explosive Limits:	N/A
10) Stability & Reactivity:	
Conditions to avoid:	Temperature extremes
Materials to avoid:	Strong oxidising agents
Hazardous reactions:	N/A
11) Toxicological Information:	
Acute oral toxicity:	> 1 500 mg/kg
Acute inhalation toxicity:	> 3,85 mg/cm ³
Acute dermal toxicity:	> 2 000 mg/kg
Skin irritation:	May cause slight irritation upon prolonged contact
Eye irritation:	Slight irritant
Sensitisation:	May cause sensitisation
12) Ecological Information:	
Acute fish toxicity:	LC50 (96 h) for rainbow trout 0.36, bluegill sunfish 1.3, sheepshead minnow 2.4 mg/l
Toxicity for daphnia:	LC50 (48 h) 8.6 mg/l
Toxicity to algae:	EC50 (72 h) for green algae (Selenastrum capricornutum)
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. (Acetochlor) Class 9 Packing group III UN: 3082 MARINE POLLUTANT 

Sea (IMDG code):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetochlor) Class 9 Packing group III UN: 3082 MARINE POLLUTANT</p> 
Air (ICAO/IATA):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetochlor) Class 9 Packing group III UN: 3082 MARINE POLLUTANT</p> 
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.