


# Safety Data Sheet

## Validus<sup>®</sup> 200EW

Date of issue: 30<sup>th</sup> March, 2011

<b>1) Identification of Substance:</b>		
Product name:	Validus 200EW	
Active Ingredient(s):	200g/litre myclobutanil	
ACVM Approval:	P7520	
ERMA Approval:	HSR007666	
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250 Auckland Ph: 09-412-9817 Fax: 09-412-9807 <a href="http://www.adriacp.co.nz">www.adriacp.co.nz</a>	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
<b>2) Hazards Identification:</b>		
Hazard classifications:	Class 9	
HSNO Classifications:	6.1E, 6.4A, 6.8B, 6.9B, 9.1B, 9.2D	
Risk and safety phrases:		
<b>3) Composition Details:</b>		
Chemical identity:		
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Myclobutanil	88671-89-0	± 20 %
Heavy aromatic solvent	64742-94-5	> 20%
Cyclohexanone	108-94-1	± 10 %
Other inerts not considered to be hazardous		balance
<b>4) First Aid Measures:</b>		
General Information:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
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:	Remove to fresh air. If person is not breathing then give artificial respiration and call 111 for an ambulance,
Further Information:	Adria Crop Protection – Ph: 09-412 9817
<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	Toxic fumes of hydrogen chloride and/or hydrogen cyanide. Contain runoff and avoid inhalation of smoke fumes.
Extinguishing media and methods:	CO2, dry chemical or water spray.
Recommended protective clothing:	Self contained breathing apparatus and full protective clothing.
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Wear appropriate protective clothing.
Environmental precautions:	Prevent material from entering waterways.
Spill procedures:	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.
<b>7) Handling &amp; Storage:</b>	
Handling:	This material may be harmful if swallowed, inhaled or absorbed through the skin. May cause reproductive/developmental damage and/or organ damage from repeated oral exposure at high doses. May cause internal organ damage from repeated oral exposure at high doses. Do not eat, drink or smoke while using product. Remove protective clothing immediately after handling this product and wash hands and skin before meals and after work. May cause skin and eye irritation. Avoid contact with eyes and skin.
Storage:	Store in original container tightly closed and in a locked dry, cool, well ventilated area away from foodstuffs. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of the product that is older than this.
<b>8) Exposure Control / Personal Protection:</b>	
Engineering measures:	Provide general and/or local exhaust ventilation to control airborne levels.
Respiratory protection:	When required for certain operations, use an air-purifying respirator for dust/mist that complies with relevant NZ Standards.
Eye protection:	Use chemical goggles or a full-face respirator.

Hand protection:	Use chemical resistant gloves.
Other protective equipment:	
Hygiene measures:	Do not eat, drink or smoke while using product. Remove protective clothing immediately after handling this product and wash hands and skin before meals and after work.
<b>9) Physical &amp; Chemical Properties:</b>	
Form:	Liquid
Colour:	Off-white
Odour:	Aromatic solvent odour
Melting point/boiling point:	±100 °C
Density:	1.02 g/cm <sup>3</sup>
Surface tension:	N/A
pH:	7,8
Flash point:	± 100 °C
Ignition Temperature:	> 400 °C
Explosive Limits:	N/A
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Temperature extremes and open flame
Materials to avoid:	Strong oxidising agents
Hazardous reactions:	Hydrogen chloride
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	> 5 000 mg/kg
Acute inhalation toxicity:	Safe under normal conditions of use and storage
Acute dermal toxicity:	> 5 000 mg/kg
Skin irritation:	Not an irritant
Eye irritation:	May cause mild eye irritation
Sensitisation:	Not a sensitiser
<b>12) Ecological Information:</b>	
Acute fish toxicity:	Toxic to fish. LC50 (96 h) for bluegill sunfish 2.4, rainbow trout 2.0 mg/l
Toxicity for daphnia:	LC50 (48 h) 11 mg/l
Toxicity to algae:	EC50 (96 h) for Scenedesmus subspicatus 2.4 mg/l
<b>13) Disposal Considerations:</b>	
Disposal:	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
	
Empty container precautions:	<b>VERY TOXIC TO AQUATIC ORGANISMS.</b> 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.  
(Myclobutanil)  
Class 9  
Packing group III  
UN: 3082



Sea (IMDG code):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.  
(Myclobutanil)  
Class 9  
Packing group III  
UN: 3082  
Marine pollutant



Air (ICAO/IATA):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.  
(Myclobutanil)  
Class 9  
Packing group III  
UN: 3082



## 15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler at all times.

ACVM controls:

See [www.nzfsa.govt.nz/acvm/](http://www.nzfsa.govt.nz/acvm/) for registration conditions.