



# Safety Data Sheet



## Vega

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

<b>1) Identification of Substance:</b>		
Product name:	Vega	
Active Ingredient(s):	240g/litre clethodim	
ACVM Approval:	P7672	
ERMA Approval:	HSR007818	
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 classification:	Class 9	
HSNO Classifications:	3.1D, 6.1E, 6.3A, 6.4A, 6.9B, 9.1B, 9.2A	
Risk and safety phrases:		
<b>3) Composition Details:</b>		
Chemical identity:	Clethodim	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Clethodim	99129-21-2	24 %
Aromatic solvent	64742-94-5	60 – 70 %
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Do not scrub the skin.	
Eye contact:	If splashed in eyes, wash out immediately with water.	
Ingestion:	If swallowed, do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor immediately.	
Inhalation:	Remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.	

<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	This product is combustible at elevated temperatures. Combustion products are toxic and or irritant. Chloride compounds, nitrogen oxides and Sulfur oxides. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.
Extinguishing media and methods:	Extinguish warehouse and factory fires using dry chemical extinguisher or carbon dioxide. DO NOT use direct jet of water.
Recommended protective clothing:	Full turnout gear and SCBA.
Hazchem Code:	3[Y]
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.
Environmental precautions:	Prevent spillage into the soil or aquatic environment.
Spill procedures:	Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth. Place in container for disposal according to local regulations.
Disposal procedures:	Triple rinse containers and add residue to spray tank. Return empty containers to an AGRECOVERY collection point.
<b>7) Handling &amp; Storage:</b>	
Handling:	No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.
Storage:	Store securely out of reach of children. Store in a cool, dry area, out of direct sunlight (storage temperature should not exceed 38°C). 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:	No exposure limits established.
Respiratory protection:	In case of spray: ventilation, local exhaust or breathing protection (Filter respirator).
Eye protection:	Safety goggles.
Hand protection:	Gloves (nitrile or similar), protective clothing.
Other protective equipment:	
Hygiene measures:	Thoroughly wash hands after work, before eating or smoking.

<b>9) Physical &amp; Chemical Properties:</b>	
Form:	Liquid
Colour:	Amber
Odour:	Aromatic
Melting point/boiling point:	N/A
Density:	975 g/L
Vapour pressure:	< 1 X 10 <sup>-2</sup> mPa (20 °C)
pH:	7,5
Flash point:	65 °C
Ignition Temperature:	N/A
Explosive Limits:	N/A
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	High temperatures.
Materials to avoid:	Oxidising agents, acids and alkali.
Hazardous reactions:	None known.
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	> 2 000 mg/kg
Acute inhalation toxicity:	2.1 mg/L
Acute dermal toxicity:	> 5 000 mg/kg
Skin irritation:	Moderate Irritant.
Eye irritation:	Moderate Irritant.
Sensitisation:	Not a sensitiser.
<b>12) Ecological Information:</b>	
Acute fish toxicity:	LC <sub>50</sub> (48 h) > 120 mg/L (Bluegill sunfish)
Toxicity for daphnia:	LC <sub>50</sub> (48 h) > 120 mg/L
Toxicity to algae:	EC <sub>50</sub> (5 d) for fresh-water algae 57.8 mg/L
<b>13) Disposal Considerations:</b>	
Disposal: 	Triple rinse containers and add residue to spray tank. Return empty containers to an AGRECOVERY collection point. Avoid contamination of any water supply.
<b>14) Transportation Information:</b>	
Rail/road (RID/ADR):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clethodim) Class 9 Packing group III UN: 3082 

Sea (IMDG code):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clethodim) Class 9 Packing group III UN: 3082 Marine Pollutant</p> 
Air (ICAO/IATA):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clethodim) Class 9 Packing group III UN: 3082</p> 
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler at all times. Records of use must be kept.
ACVM controls:	See <a href="http://www.nzfsa.govt.nz/acvm/">www.nzfsa.govt.nz/acvm/</a> for registration conditions.