



# Safety Data Sheet



## Vanquish®

Date of issue: 16<sup>th</sup> February, 2011

<b>1) Identification of Substance:</b>		
Product name:	Vanquish	
Active Ingredient(s):	250g/litre azoxystrobin	
ACVM Approval:	P8171	
ERMA Approval:	HSR100435	
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>		
HSNO Classifications:	6.1D, 6.3B, 6.4A, 6.9B, 9.1B, 9.2D	
Risk and safety phrases:	T, N, R23, R50/53	
<b>3) Composition Details:</b>		
Chemical identity:	Azoxystrobin	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Azoxystrobin	131860-33-8	25
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Seek medical attention immediately.	
Eye contact:	Flush eyes immediately and continue for at least 15 minutes. Seek medical attention.	
Ingestion:	Do NOT induce vomiting if swallowed. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).	
Inhalation:	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance soon if irritation persists.	
Further Information:	Treatment: No known specific antidote. Treat symptomatically.	

<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	Specific hazards in a fire: carbon monoxide, hydrogen fluoride, nitrogen oxides.
Extinguishing media and methods:	Use water spray, foam, dry chemical, or carbon dioxide to extinguish fires.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately. Wash contaminated clothing before re-use.
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.
<b>7) Handling &amp; Storage:</b>	
Handling:	Use protective clothing. Ensure adequate ventilation. Cleaning water should be disposed of in appropriate manner.
Storage:	Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds. Protect from extreme temperatures. Keep out of reach of children.
<b>8) Exposure Control / Personal Protection:</b>	
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.

<b>9) Physical &amp; Chemical Properties:</b>	
Form:	Liquid
Colour:	Off-white / Cream
Odour:	Characteristic
Melting point/boiling point:	116 °C / 345 °C
Density:	1.103
Surface tension:	-
pH:	7
Flash point:	-
Ignition Temperature:	Flammable at high temperatures
Explosive Limits:	-
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Protect from extreme temperatures
Materials to avoid:	None known
Hazardous reactions:	None known
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	LD <sub>50</sub> > 5 000 mg/kg, rat.
Acute inhalation toxicity:	LD <sub>50</sub> (4 h) > 5 mg/L
Acute dermal toxicity:	LD <sub>50</sub> > 4 000 mg/kg, rat.
Skin irritation:	Slight irritant, rabbit.
Eye irritation:	Mild irritant, rabbit.
Sensitisation:	Not a skin sensitiser, guinea pig.
<b>12) Ecological Information:</b>	
Acute fish toxicity:	LC <sub>50</sub> (96 h) Rainbow trout > 2 mg/L
Toxicity for daphnia:	EC <sub>50</sub> (48h) > 0,4 mg/L, <i>Dahnia magna</i> .
Toxicity to algae:	EC <sub>50</sub> (120h) <i>Selenastrum capricornutum</i> >0.1 mg/L. EbC <sub>50</sub> (72h) 0,23 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:	Avoid contamination of any water supply with chemical or empty container.
<b>14) Transportation Information:</b>	
Rail/road (RID/ADR):	Environmentally Hazardous Substance, Liquid, N.O.S. (Azoxystrobin). Class: 9, UN-No: 3082 Packaging group: III   ECOTOXIC

Sea (IMDG code):	<p>Environmentally Hazardous Substance, Liquid, N.O.S. (Azoxystrobin). Class: 9, UN-No: 3082 Packaging group: III</p> <div data-bbox="1031 344 1227 568" style="text-align: center;">  <p><b>ECOTOXIC</b></p> </div>
Air (ICAO/IATA):	<p>Environmentally Hazardous Substance, Liquid, N.O.S. (Azoxystrobin). Class: 9, UN-No: 3082 Packaging group: III</p> <div data-bbox="1031 788 1227 1012" style="text-align: center;">  <p><b>ECOTOXIC</b></p> </div>
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler.
ACVM controls:	See <a href="http://www.nzfsa.govt.nz/acvm/">www.nzfsa.govt.nz/acvm/</a> for registration conditions.