

Safety Data Sheet




Vitis®

Date of issue: 14th October, 2011

1) Identification of Substance:		
Product name:	Vitis	
Active Ingredient(s):	50g/kg emamectin benzoate	
ACVM Approval:	P8283	
ERMA Approval:	HSR100581	
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, 8.3A, 6.8B, 6.9B, 9.1A, 9.3B, 9.4A	
Risk and safety phrases:		
3) Composition Details:		
Chemical identity:	Emamectin benzoate	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Emamectin benzoate	155569-91-8	5.0%
4) First Aid Measures:		
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:	<p>This material is believed to enhance GABA activity in animals. It is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure. Toxicity can be minimised by early administration of chemical absorbents (eg activated charcoal). If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged.</p> <p>Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures as indicated by clinical signs, symptoms and measurements.</p>
5) Fire-Fighting Measures:	
Specific hazards:	During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing media and methods:	Extinguish warehouse and factory fires using dry chemical extinguisher, alcohol-resistant foam, carbon dioxide or fine-water spray. DO NOT use direct jet of water.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
6) Accidental Release Measures:	
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.
7) Handling & Storage:	
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.

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:	Avoid contact with skin and eyes and inhalation of dust from concentrate or spray mist. When mixing or applying, wear protective clothing, including face shield, impervious gloves and footwear. If clothing becomes contaminated with product, remove clothing immediately. DO NOT eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
9) Physical & Chemical Properties:	
Form:	Granule
Colour:	White to off white
Odour:	Characteristic
Melting point/boiling point:	141-146°C
Density:	N/A
Surface tension:	Not available
pH:	6.2
Flash point:	Not applicable
Ignition Temperature:	Not available
Explosive Limits:	Not applicable
10) Stability & Reactivity:	
Conditions to avoid:	Heat and light.
Materials to avoid:	None known.
Hazardous reactions:	None known.
11) Toxicological Information:	
Acute oral toxicity:	Oral: LD ₅₀ (Rat) 1,516 mg/kg
Acute inhalation toxicity:	LC ₅₀ (4h): 6.28 mg/L
Acute dermal toxicity:	LD ₅₀ Rabbit: > 2,000mg/kg
Skin irritation:	Not an irritant
Eye irritation:	Moderately irritating (Rabbit)
Sensitisation:	Not a sensitiser (Guinea pig)
12) Ecological Information:	
Acute fish toxicity:	Trout: LC ₅₀ /EC ₅₀ : 174 µg/L Bluegill: LC ₅₀ /EC ₅₀ 180 µg/L
Toxicity for daphnia:	EC ₅₀ : 0.08mg/L, 48h
Toxicity to algae:	EbC ₅₀ = 28.4mg/L ErC ₅₀ = 157 mg/L, 72h

13) Disposal Considerations:	
Disposal:	Triple rinse packaging and add residue to spray tank. Crush and bury empty packaging in a suitable landfill.
Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.
14) Transportation Information:	
Rail/road (RID/ADR):	<p>SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EMAMECTIN BENZOATE) UN-No: 3077 Class: 9 (Miscellaneous Dangerous Goods) Packaging group: III</p> 
Sea (IMDG code):	<p>SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EMAMECTIN BENZOATE) UN-No: 3077 Class: 9 (Miscellaneous Dangerous Goods) Packaging group: III</p> 
Air (ICAO/IATA):	<p>SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EMAMECTIN BENZOATE) UN-No: 3077 Class: 9 (Miscellaneous Dangerous Goods) Packaging group: III</p> 
15) Regulatory Information:	
Approved handlers:	This product must be under the care of an approved handler during wide dispersive use or when used by a commercial contractor.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.