

Safety Data Sheet

Verdex® 18EC

Date of issue: 30th May, 2011

1) Identification of Substance:	
Product name:	Verdex 18 EC
Active Ingredient(s):	Abamectin 18 g/L EC.
ACVM Approval:	P005747
ERMA Approval:	HSR000734
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:	
Risk Phrases:	Harmful by inhalation. Irritating to respiratory system. Harmful : danger of serious damage to health by prolonged exposure if swallowed. R22 : Harmful if swallowed. R37 : Irritating to respiratory system. R48/22 : Harmful : danger of serious damage to health by prolonged exposure if swallowed. R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S2 : Keep out of the reach of children. S13: Keep away from food, drink and animal feedingstuffs. S20/21: When using, do not eat, drink or smoke. S23 : Do not breathe spray. S24 : Avoid contact with skin. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection. S46 : If swallowed seek medical advice immediately and show this container or label. S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
HSNO Classifications:	3.1D, 6.1D, 6.3A, 6.4A, 6.8A, 6.8C, 6.9B, 9.1A, 9.2C, 9.3B, 9.4A
Adverse human health effects:	May cause harm to the unborn child.
Environmental hazard	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Primary route of exposure	Skin contact. Vapours inhalation.
Symptoms relating to use: Inhalation	Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision. Repeated exposure may cause skin dryness or cracking. Not expected to present a significant eye contact hazard under anticipated conditions of normal use. Swallowing a small quantity of this material will result in serious health hazard. Must not come into contact with food or be consumed.
Skin Contact	
Eye Contact	
Ingestion	

3) Composition Details:

Chemical identity:	Abamectin	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Abamectin	71751-41-2	1.5-2 %
Solvent		>50%






4) First Aid Measures:


General Information:	
Skin contact:	Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation persists.
Eye contact:	Check for and remove any contact lenses. In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain emergency medical attention if pain, blinking, tears or redness persists..
Ingestion:	Rinse mouth. DO NOT INDUCE VOMITING. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
Inhalation:	Assure fresh air breathing. Rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulty persists.

5) Fire-Fighting Measures:

Specific hazards:	Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides.
Extinguishing media and methods: - Suitable - Unsuitable	Dry chemical. Foam. Water fog. Water spray. Do not use a heavy water stream.
Recommended protective clothing:	Wear proper protective equipment.
Special procedures	Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6) Accidental Release Measures:	
Personal precautions:	Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Clean up methods:	Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.
7) Handling & Storage:	
General:	No naked lights. No smoking.
Storage:	Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.
Precautions in handling and storage	Handle in accordance with good industrial hygiene and safety procedures.
Handling:	Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
8) Exposure Control / Personal Protection:	
Respiratory protection:	Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
Eye protection:	Goggles.
Skin protection:	Wear suitable protective clothing and gloves.
Ingestion:	When using, do not eat, drink or smoke.
Industrial hygiene	Local exhaust and general ventilation must be adequate to meet exposure standards. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	Yellow
Odour:	Alcohol
Melting point/boiling point:	-
Density:	0.981 at 20°C
pH:	3.8
Flash point: [°C]	>61
Ignition Temperature:	n/a
Explosive Limits:	n/a
10) Stability & Reactivity:	
Stability and reactivity	Stable
Hazardous decomposition products	According to process conditions, hazardous decomposition products may be generated. Carbon dioxide. Carbon monoxide.

Materials to avoid:	Strong acids. Strong bases. Finely divided metals.
11) Toxicological Information:	
Acute oral toxicity:	LD50 (Rat): 310 mg/kg
Acute inhalation toxicity:	Irritating to respiratory system.
Acute dermal toxicity:	Irritating to skin.
Eye irritation:	Irritating to eyes.
Rat oral LD50 [mg/kg]	No data available.
Toxic for reproduction : Fertility	May cause harm to the unborn child.
12) Ecological Information:	
Ecological effects information	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
LC50-96 Hour - fish [mg/l]	<1
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:	VERY TOXIC TO AQUATIC ORGANISMS. Avoid contamination of any water supply with chemical or empty container.
14) Transportation Information:	
Rail/road (RID/ADR):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Pesticides, liquid, toxic, N.O.S (abamectin) CLASS 6.1, UN2902. PCKG GRP III MARINE POLLUTANT  
Sea (IMDG code):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Pesticides, liquid, toxic, N.O.S (abamectin) CLASS 6.1, UN2902. PCKG GRP III MARINE POLLUTANT  

AIR TRANSPORT	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Pesticides, liquid, toxic, N.O.S (abamectin) CLASS 6.1, UN2902. PCKG GRP III</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.