

Safety Data Sheet





Avia®

1) Identification of Substance:		
Product name:	Avia	
Active Ingredient(s):	80 g/litre bifenthrin	
ACVM Approval:	n/a	
EPA Approval:	HSR100508	
Distributed by:	Adria Crop Protection P.O. Box 535, Kumeu 0841, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adria.nz	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
2) Hazards Identification:		
HSNO Classifications:	6.1D, 6.3A, 6.4A, 6.5B, 6.9B, 9.1A, 9.2C, 9.3B, 9.4A	
Risk and safety phrases:	R20/22 Harmful by inhalation and if swallowed. R36/38 Irritating to eyes and skin. R50/53 Toxic to aquatic organisms. May cause long-term adverse effects. S2 Keep out of reach of children. S13 Keep away from food, drink and animal feeding stuffs. S23 Do not breathe vapour or spray.	
3) Composition Details:		
Chemical identity:	Bifenthrin	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Bifenthrin	82657-04-3	8.16
4) First Aid Measures:		
General Information:	May be harmful if swallowed. May cause skin irritation & sensitization from prolonged contact. May cause eye irritation. May be harmful & cause respiratory irritation. Toxic to aquatic organisms.	
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Gently wash affected areas with soap and water. If a large area is affected or if irritation persists seek medical assistance.	

Eye contact:	Flush eyes immediately and continue for at least 15 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. Seek medical attention if irritation persists.
Ingestion:	Do NOT induce vomiting if swallowed. Wash mouth with water and seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).
Inhalation:	Should irritation occur, remove patient to fresh air. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. Seek medical assistance if irritation doesn't disappear soon.
Further Information:	Treatment: No known specific antidote. Treat symptomatically (decontamination, vital functions). Stomach lavage or saline laxative may be considered.
5) Fire-Fighting Measures:	
Specific hazards:	Toxic fumes that may be released during fire: Carbon oxides, hydrogen chloride and - fluoride may be released during fire.
Extinguishing media and methods:	Make use of water, foam, dry chemical, or carbon dioxide to extinguish fires.
Recommended protective clothing:	Wear SCBA and appropriate chemical-protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Use protective clothing and equipment. Avoid contact with skin and eyes.
Environmental precautions:	Cover or dyke spill and prevent spreading. Do not discharge into drains/surface waters/groundwater or into subsoil/soil.
Spill procedures:	Absorb spills with inert material, vacuum, shovel or pump spilled material and place in waste containers. Prevent material from entering waterways. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely in appropriate containers, according to local Council regulations.
7) Handling & Storage:	
Handling:	Avoid skin and eye contact and inhalation of spray mist or fumes. Ensure adequate ventilation. Cleaning water should be disposed of in appropriate manner. Wash hands after handling the product and before breaks. Do not eat, drink or smoke during use. Wash contaminated clothing before re-use.

Storage:	Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds and sunlight. Keep out of reach of children and away from uninformed persons. Protect from extreme temperatures above 40°C.
8) Exposure Control / Personal Protection:	
Engineering measures:	Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure.
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 or full face shield.
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. Wash contaminated clothing before re-use.
9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	Beige
Odour:	Characteristic
Melting point/boiling point:	> 100°C
Density:	+ - 984 g/L
Surface tension:	-
pH:	7 – 8
Flash point:	-
Ignition Temperature:	Not flammable
Explosive Limits:	Not explosive
10) Stability & Reactivity:	
Conditions to avoid:	Stable under standard conditions. Avoid excessive temperatures.
Materials to avoid:	None
Hazardous reactions:	None known
11) Toxicological Information:	
Acute oral toxicity:	LD ₅₀ > 500 mg/kg, rat.
Acute inhalation toxicity:	LD ₅₀ >10 mg/L/hr
Acute dermal toxicity:	LD ₅₀ >2000 mg/kg, rabbit.
Skin irritation:	May cause irritation
Eye irritation:	May cause irritation
Sensitisation:	May cause sensitization
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ (96 h) >0.15 ug/L
Toxicity for daphnia:	LC ₅₀ (48 h) >0.16 ug/L
Toxicity to algae:	EC ₅₀ > 5 mg/L

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13) Disposal Considerations:	
Disposal: 	When emptying container, triple rinse and add remaining material to spray tank. Return the empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contaminating any water supply with the chemical or empty container.
14) Transportation Information:	
Rail/road (RID/ADR):	UN-No: 3082 Class: 9 (Miscellaneous Dangerous Goods) Labelling No.: 9 Packaging group: III Shipping name: Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) MARINE POLLUTANT 
Sea (IMDG code):	UN-No: 3082 Class: 9 (Miscellaneous Dangerous Goods) Labelling No.: 9 Packaging group: III Shipping name: Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) MARINE POLLUTANT 
Air (ICAO/IATA):	UN-No: 3082 Class: 9 (Miscellaneous Dangerous Goods) Labelling No.: 9 Packaging group: III Shipping name: Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) MARINE POLLUTANT 

15) Regulatory Information:

Approved handlers:

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

16) Other Information

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the product's properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed