

Safety Data Sheet

Avert[®] 25WP

Reviewed: March 2016

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: AVERT 25WP

Recommended Use: An insect growth regulator for control of porina caterpillar and clover flea in pasture.

Company Identification: Ravensdown Limited
Address: 292 Main South Road
 Hornby
 Christchurch

Customer Centre: 0800 100 123

National Poisons Information Centre: 0800 POISON (0800 764 766)

Emergency Telephone Number: 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)

Transport Emergency: IN AN EMERGENCY, DIAL 111 – FIRE or POLICE

Section 2: HAZARD IDENTIFICATION

Hazard Classifications: 6.3B, 6.4A, 6.9B, 9.1A

Priority Identifiers: ECOTOXIC

Secondary Identifiers: 6.3B = May cause skin irritation
 6.4A = May cause eye irritation
 9.1A = Very toxic to aquatic organisms

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
diflubenzuron	35367-38-5	25%
Non-hazardous ingredients		75%

Section 4: FIRST AID MEASURES

First Aid Measures: Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.

Inhalation: Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.

Skin: Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.

Eye: Flush with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance immediately.

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flammability: Non flammable

Hazardous Combustion Products: During a fire, toxic fumes may be emitted.

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Protective Equipment:	Full protective clothing and self-contained breathing apparatus
HAZCHEM Code:	2Z
Location Certificate:	Not applicable
Hazardous Atmosphere Zone:	Not applicable
Fire Extinguishers:	Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Moisten to prevent dusting and carefully sweep up solids without generating dust. Contain liquid spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin, eyes and inhalation of spray mist. Avoid breathing dust. When mixing or applying wear protective clothing as described in section 8. Do not eat, drink or smoke while using. Wash hands and face after use. Wash protective clothing after use.
Approved Handler:	This product must be under the control of an approved handler when applied in a wide dispersive manner or used by a commercial contractor
Tracking:	Not required
Record Keeping:	Records of use as described in NZS 8409 Management of Agrichemicals must be kept if applied where members of the public may be lawfully present, or where it is likely to enter air or water and leave that place.
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409 Management of Agrichemicals This product is subject to signage when stored in quantities of 100kg or more, either alone or in aggregate with substances of the same hazard classification. More than 100kg requires emergency response plans. For full details refer to NZS 8409 Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product by OSHA
Protective Equipment:	When opening the container, preparing spray and when contact with concentrate or solution is likely, wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.

Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of spray mist.

Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white to yellow powder
Odour:	practically odourless
Density:	0.3g/cm ³
Solubility in Water:	Disperses in water
pH:	approx 8.0 (10g/litre)
Other Information:	(WP) Wettable Powder

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation will not occur
Materials to Avoid:	Avoid contact with strong acids, alkalis and oxidising agents

Section 11: TOXICOLOGICAL INFORMATION

ERMA Classifications:	6.3B, 6.4A, 6.9B
Inhalation:	Acute Inhalation LC ₅₀ (rat) >2490mg/m ³ When applying this product avoid inhalation of dust and spray mist
Ingestion:	Acute Toxicity (Oral) LD ₅₀ (rat) >5000mg/kg Amounts as single exposure swallowed incidental to normal handling are unlikely to cause injury. May cause target organ damage from repeated oral exposure at high doses
Skin:	Acute Toxicity (Dermal) LD ₅₀ (rabbit) >2000mg/kg May cause mild skin irritation on prolonged contact
Eye:	May cause eye irritation
Chronic Effects:	Long term animal feeding studies on diflubenzuron have found an increase in liver and spleen size and reversible effects on blood chemistry
Reproductive Toxicity:	Data indicates no reproductive effects
Mutagenicity:	No mutagenic or teratogenic effects expected
Carcinogenicity:	Based on the results of animal studies not considered to be carcinogenic to humans

Section 12: ECOLOGICAL INFORMATION

ERMA Classifications:	9.1A
Ecotoxicity:	Acute Toxicity (crustaceans) LC ₅₀ (48 hr) Daphnia magna = 0.0037mg/L (fish) LC ₅₀ (rainbow trout) (96hr) >65mg/l LC ₅₀ (minnow) (96hr)>0.2mg/l Very toxic to aquatic organisms Acute Toxicity (birds) LD ₅₀ (mallard duck) >5000mg/kg Non toxic to birds Acute Toxicity (bees) LD ₅₀ >100ug/bee Non-toxic to bees
Persistence/Mobility:	Difluibenzuro is strongly absorbed by soil/humic acid complex and is virtually immobile in the soil. It is rapidly degraded in the soil, DT ₅₀ <7 days.

Section 13: DISPOSAL INFORMATION

Product Disposal:	Dispose of product only by using according to label or at an approved landfill
Container Disposal:	Ensure container is completely empty. Dispose of packaging at a suitable landfill. Dispose of product only by using according to label or dispose of safely at a managed landfill.

Section 14: TRANSPORT INFORMATION

RAIL/ROAD:	UN Number: 3077
	Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIFLUBENZURON 25%)
	DG Class: 9

	Packing Group:	III
	Marine Pollutant:	Yes
SEA (IMDG Code):	UN Number:	3077
	Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIFLUBENZURON 25%)
	DG Class:	9
	Packing Group:	III
	Marine Pollutant:	Yes
AIR: (ICAO/IATA)	UN Number:	3077
	Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIFLUBENZURON 25%)
	DG Class:	9
	Packing Group:	III
	Marine Pollutant:	Yes
Other Information:	Do not carry more than 3kg of Ravensdown Avert 25WP on a passenger service vehicle Check the latest Land Transport of Dangerous Goods NZS 5433 for additional information on segregation. Sea and air transport may require further segregation.	

Section 15: REGULATORY INFORMATION

ACVM:	Registered pursuant to the ACVM Act 1997, P8356 See www.foodsafety.govt.nz for registration conditions.
ERMA:	Approved pursuant to the HSNO Act 1996, Code: HSR000695 See www.epa.govt.nz for approval controls.

Section 16: OTHER INFORMATION

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.