


Safety Data Sheet




Armada® 800WG

Date of issue: 2nd July, 2014

1) Identification of Substance:		
Product name:	Armada 800WG	
Active Ingredient(s):	800 g/kg flumetsulam	
ACVM Approval:	P7617	
EPA Approval:	HSR000458	
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:		
Hazard classification:	This material may be harmful if swallowed, inhaled or absorbed through the skin.	
HSNO Classifications:	9.1A, 9.2A	
Risk and safety phrases:		
3) Composition Details:		
Chemical identity:	Flumetsulam	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Flumetsulam	98967-40-9	80 %
Surfactants not hazardous		
4) First Aid Measures:		
General Information:		
Skin contact:	After contact with skin, wash immediately with soap and water.	
Eye contact:	If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Keep patient calm. Remove to fresh air and seek medical attention.	

Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.
5) Fire-Fighting Measures:	
Specific hazards:	If product is involved in fire, oxides of nitrogen, oxides of sulfur, and halogen derivatives may be formed.
Extinguishing media and methods:	Water spray, dry extinguishing media, carbon dioxide.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Use protective clothing. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.
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:	Avoid skin and eye contact. Avoid inhaling the vapour, or spray mist. Wash thoroughly after handling. Wash clothing after use.
Storage:	Store in the closed, original container in a dry, well ventilated area, as cool as possible out of direct sunlight and under lock and key. Keep from contact with fertilisers, fungicides and seeds. Stores containing more than 100kg of this product, either alone or in aggregate with other hazardous substances are subject to requirement of an emergency management response plan, secondary containment and signage.
8) Exposure Control / Personal Protection:	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Safety goggles with side-shields.
Hand protection:	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 out of reach of children. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Avoid contact with skin or eyes and inhalation of spray mist. Wash hands and exposed skin after use and before meals.
9) Physical & Chemical Properties:	
Form:	Water Dispersible Granule
Colour:	Beige
Odour:	Non-specific
Melting point/boiling point:	> 200 °C
Density:	± 0.6 g/mL
Surface tension:	N/A
pH:	7.5
Flash point:	N/A
Ignition Temperature:	N/A
Explosive Limits:	Not established
10) Stability & Reactivity:	
Conditions to avoid:	Temperature extremes
Materials to avoid:	None known at time of publishing
Hazardous reactions:	None known at time of publishing
11) Toxicological Information:	
Acute oral toxicity:	> 5,000 mg/kg
Acute inhalation toxicity:	Not significant
Acute dermal toxicity:	> 2,000 mg/kg
Skin irritation:	Not likely to cause skin irritation
Eye irritation:	May cause slight irritation
Sensitisation:	Not a sensitiser.
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ (96 h) silverside minnows >379 mg/L
Toxicity for daphnia:	Non-toxic
Toxicity to algae:	EC ₅₀ (5 d) blue-green algae (Anabaena flos-aquae) 167 mg/L
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):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flumetsulam) Class: 9 Packing group: III UN 3077</p> 
Sea (IMDG code):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flumetsulam) Class: 9 Packing group: III UN 3077</p> 
Air (ICAO/IATA):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flumetsulam) Class: 9 Packing group: III UN 3077</p> 
15) Regulatory Information:	
HSNO controls:	9.1A, 9.2A
Approved handlers:	This product must be under the care of an approved handler at all times.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.

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