

Safety Data Sheet

Mitron[®] 70WG

Date of issue: 25th August 2016

1) Identification of Substance:		
Product name:	Mitron 70WG	
Active Ingredient(s):	700g/kg metamitron in the form of a water dispersible granule.	
ACVM Approval:	P7843	
EPA Approval:	HSR008044	
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:	6.1B – Acute toxicant (inhalation) 6.1D – Acute toxicant (oral) 6.3B – Skin corrosive/irritant 9.1A – Aquatic ecotoxicant 9.2A – Invertebrate toxicant 9.3C – Vertebrate toxicant	
Risk and safety phrases:	R26-50/53	
3) Composition Details:		
Chemical identity:	Metamitron	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Metamitron	41394-05-2	70.00
4) First Aid Measures:		
General Information:		
Skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.	
Eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.	
Ingestion:	If swallowed do NOT induce vomiting. 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. Seek medical advice immediately.
Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.
5) Fire-Fighting Measures:	
Specific hazards:	Hazardous decomposition products.
Extinguishing media and methods:	Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Store in original container, tightly closed, away from foodstuffs in a cool dry, secured area. Avoid contact with skin and eyes, and inhalation of spray mist. When mixing or applying wear appropriate clothing including impervious, elbow-length gloves and eye protection. Wear respiratory protection. Wash hands and exposed skin before meals and after work.
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 contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.
Storage:	Keep away from heat and protect from sunlight. Protect against freezing.
8) Exposure Control / Personal Protection:	
Exposure:	Potentially fatal if inhaled. When handling wear full protective clothing such as gloves, hat, coat and trousers (worn outside rubber boots). Suitable or appropriate respiratory and eye protection should also be worn.
Equipment:	Apply using accurately calibrated and maintained equipment in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). Spray equipment should be thoroughly cleaned after use.

Controls:	This substance must not be applied into or onto water. This substance shall be applied via ground-based methods only. A buffer zone of 15m between the application area and any downwind area containing non-target plants must be observed when applying this substance. This substance must not be applied on apple trees at rates exceeding 700g metamitron/ha per application, more than twice per year with a minimum interval of five days between applications.
Re-Entry:	A minimum re-entry interval in apples for this substance is set at 28 days after the end of the application of the substance. The person in charge of the application area must ensure that no person works in contact with the trees treated with the substance until the end of the 28 day re-entry interval. Despite the point immediately above, this re-entry interval may be reduced to 22 days after the end of the application if gloves are worn by workers intending to be in contact with the treated trees.
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 away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.

9) Physical & Chemical Properties:

Form:	Solid granules
Colour:	Off-white
Odour:	Faint odour
Melting point/boiling point:	150° C
Vapour pressure:	0.86 µPa @ 20°C (metamitron)
Solubility in water:	Dispersible
Octanol/water partition coefficient:	Log = 0.85 @ 21°C (metamitron)
pH:	3.5-4.5 (10% in water)
Flammability:	Not flammable
Explosive properties:	Not explosive
Oxidation properties:	Not oxidising
Other Data:	May cause dust explosion.

10) Stability & Reactivity:	
Stability:	Thermal decomposition at 170° C (metamitron).
Materials to avoid:	Oxidising agents, acids and alkali.
Hazardous reactions:	None.
11) Toxicological Information:	
Acute oral toxicity:	LD ₅₀ (rat-male) = 2,950 mg/kg
Acute inhalation toxicity:	LD ₅₀ (rat) > 1.418 mg/L (4 hrs) (max. attainable concentration)
Acute dermal toxicity:	LD ₅₀ (rat) > 5,000 mg/kg
Skin irritation:	Non irritating (rabbit)
Eye irritation:	Non irritating (rabbit)
Sensitisation:	Non sensitiser (guinea pig)
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ (96 hours) = 443 mg/L; golden orfe (Leuciscus melanotus) LC ₅₀ (96 hours) = 326 mg/L; rainbow trout (oncorphynchus mykiss) LC ₅₀ (96 hours) = 194 mg/L; carp (Cyprinus carpio)
Toxicity for daphnia:	EC ₅₀ (48 hours) = 206 mg/L; Water flea (Daphnia magna)
Toxicity to algae:	IC ₅₀ (72 hours) = 4.5 mg/L; green alga (Selenastrum capricornutum)
Soil:	Half-life time (t _{1/2}): 30-90 days. Degradation is primarily via: microorganisms.
13) Disposal Considerations:	
Disposal:	Burn if circumstances, especially wind direction, permit. Otherwise bury in a suitable landfill. Avoid contamination of any water supply with chemical or empty container.
Empty container precautions:	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. (Metamitron) Class 9 Packing group III UN: 3077</p> 
Sea (IMDG code):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metamitron) Class 9 Packing group III UN: 3077 Marine Pollutant</p> 
Air (ICAO/IATA):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metamitron) Class 9 Packing group III UN: 3077</p> 
15) Regulatory Information:	
Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	General tracking requirements apply.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.

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