



Safety Data Sheet

Mitron[®] 70WG

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 (I), 6.1D (O), 6.1D (D), 6.3B, 9.1A, 9.2A, 9.3C
Signal Word:	Danger
Hazard Statement Codes:	
H330	Fatal if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H316	Causes mild skin irritation.
H410	Very toxic to aquatic life with long lasting effects.
H421	Very toxic to the soil environment.
H433	Harmful to terrestrial vertebrates.
Prevention Statement codes:	
P102	Keep out of reach of children.
P103	Read label before use.

P260	Do not breathe dust or spray mist.
P271	Use only outdoors or in a well-ventilated area.
P284	Wear respiratory protection.
P264	Wash entire body thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves and clothing and eye/face protection.
P273	Avoid release to the environment.
Response Statement Codes:	
P101	If medical advice is needed, have product container or label at hand.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a POISON CENTRE or a doctor/physician.
P301 + P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse.
P332 + P313	If skin irritation/rash occurs: Get medical advice/attention.
P391	Collect spillage.
Storage Statement Codes:	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

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 rash 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:	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or a doctor/physician.
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.
Hazchem Code:	2Z
6) Accidental Release Measures:	
Personal precautions:	Use protective clothing. Refer to section 8. 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. 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 as per Section 8). 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:	Keep locked up. Keep away from temperature extremes. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing as per section 8). If inhaled or ingested seek medical advice immediately and show the container or the label.
Storage:	Keep away from temperature extremes and protect from sunlight.
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.

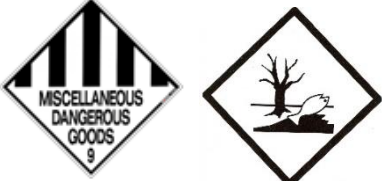
Equipment:	Apply using accurately calibrated and maintained equipment in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). Spray equipment should be thoroughly cleaned after use.
Controls:	This substance must not be applied into or onto water. This substance shall be applied 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 met amitron/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 (met amitron)
Solubility in water:	Dispersible
Octanol/water partition coefficient:	Log = 0.85 @ 21°C (met amitron)
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 (met amitron).
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:	Harmful in contact with skin and causes mild skin irritation.
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 (<i>Leuciscus melanotus</i>) LC ₅₀ (96 hours) = 326 mg/L; rainbow trout (<i>Oncorhynchus mykiss</i>) LC ₅₀ (96 hours) = 194 mg/L; carp (<i>Cyprinus carpio</i>)
Toxicity for daphnia:	EC ₅₀ (48 hours) = 206 mg/L; Water flea (<i>Daphnia magna</i>)
Toxicity to algae:	IC ₅₀ (72 hours) = 4.5 mg/L; green alga (<i>Selenastrum capricornutum</i>)
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):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metamitron)
Sea (IMDG code):	Class 9 Packing group III UN: 3077
Air (ICAO/IATA):	Hazchem Code 2Z
15) Regulatory Information:	
Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	Yes
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.

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.