



## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Goltix WG 70**  
Chemical name of active Ing: 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  
Product Use: For pre and post emergence use in Red beet, Fodder beet, Sugar beet and Mangolds  
Restriction of Use: Refer to Section 15  
New Zealand Supplier: ADAMA New Zealand Ltd  
Address: Level 1/93 Bolt Road  
Tahunanui, Nelson  
Telephone: +64 3 543 8275  
Fax Number: +64 3 543 8274  
**Emergency Telephone: 0800 764 766 (National Poison Centre)**  
Date of SDS Preparation: 17 June 2020

### Section 2. Hazards Identification

**This substance is hazardous according to the Hazardous Substances (Classification) Notice 2017**

**EPA Approval No:** HSR000535

#### Pictograms



Toxic

Ecotoxic

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1B (inh)	H330	Fatal if inhaled.	Acute Tox. 2
6.1D (oral)	H302	Harmful if swallowed.	Acute Tox. 4
6.1D (dermal)	H312	Harmful in contact with skin.	Acute Tox. 4
9.1A	H400	Very toxic to aquatic life.	Aquatic Acute 1
9.2A	H421	Very toxic to the soil environment.	
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P284	Wear respiratory protection as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code	Disposal Statement
P501	Wherever possible completely use material by using according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Triple rinse containers and add rinsate to spray tank before puncturing and offering for recycling or landfill. Do not allow product to enter waterways. Do not burn product or container.

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Metamitron	70	41394-05-2
Non hazardous	To bal	-

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

### Most important symptoms and effects, both acute and delayed

#### Symptoms:

**Inhaled:** Fatal if inhaled.

**Ingestion:** Harmful if swallowed.  
**Skin.** Harmful if in contact with skin.  
**Chronic:** Not applicable.

**Notes to a physician:**

There is no specific antidote. Treat symptomatically and give supportive therapy.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable.
<b>Hazards from combustion products</b>	Carbon monoxide, hydrogen cyanide, nitrogen oxides.
<b>Suitable Extinguishing media</b>	Dry chemical, water spray, foam, carbon dioxide.
<b>Precautions for firefighters and special protective clothing</b>	Self-contained breathing apparatus and total protection required in enclosed areas.
<b>HAZCHEM CODE</b>	<b>2X</b>

**Section 6. Accidental Release Measures**

Wear full protective clothing as detailed in Section 8. Evacuate area from unnecessary personnel.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

Absorb spill with an inert material such as sand, sawdust or clay and place in suitable labeled container. Dispose as per Local Regulations.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read label before use.
- Do not breathe dust.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Ventilation is required to prevent dust generation.
- Prevent formation of explosive mixtures.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Dust mask is required.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Keep away from children.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep only in the original container. Keep in cool, dry, well ventilated place away from direct sunlight, away from source of ignition.
- Packaging Material: Perforated double ply sacks

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredient has exposure limit.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

**Engineering Controls**

Ventilation is required. Avoid inhalation of dust.

**Personal Protection Equipment**

<b>Eyes</b>	Safety goggles or face shield.
<b>Hands and Skin</b>	Wear chemical resistant gloves, protective clothing and chemical resistant boots.
<b>Respiratory</b>	For higher level protection use type N100 (US) or type P3 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards.
<b>General</b>	Do not eat, drink or smoke when using this product. Be careful not to contaminate yourself when removing contaminated clothing.

**Section 9****Physical and Chemical Properties**

<b>Appearance</b>	Off-white solid granules
<b>Odour</b>	Faint odour
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	3.5 – 4.5 (10% in water)
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	150°C
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper and Lower Exposure Limits</b>	Not applicable
<b>Vapour Pressure</b>	0.86 µPa @ 20°C (Metamitron)
<b>Bulk Density</b>	Not applicable
<b>Specific Gravity</b>	Not applicable
<b>Solubilities</b>	Dispersible
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Solid products combustibility:</b>	Local burning or glowing, at the most, only slight spreading.
<b>Octanol/water partition</b>	log = 0.85 @ 21°C (Metamitron)
<b>Risk of dust explosion:</b>	May cause dust explosion.

**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	This product is stable under normal conditions. Thermal decomposition at 170°C (Metamitron)
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Oxidizing agents, acids and alkali.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, hydrogen cyanide, nitrogen oxides.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Harmful if swallowed. LD50 (rat - male) = 2,950 mg/kg LD50 (rat - female) ~ 1,350 mg/kg
<b>Dermal</b>	Harmful if in contact with skin. LD50 (rat) > 5,000 mg/kg
<b>Inhalation</b>	Fatal if inhaled. LD50 (rat) > 1.418 mg/L (4 hours) (maximum attainable concentration)
<b>Eye</b>	Not applicable
<b>Skin</b>	Not applicable

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable

**Individual component information:****Acute Toxicity:**

<b>Chemical Name</b>	<b>Oral - LD50</b>	<b>Dermal - LD50</b>	<b>Inhalation - LC50</b>
Metamitron (41394-05-2)	650 mg/kg (dog)	1000mg/kg (Rat)	0.206mg/l (mouse) (dust/mist)

**Section 12. Ecotoxicological Information**

HSNO Classes: 9.1A = Very toxic to aquatic life.  
9.2A = Very toxic to the soil environment.  
9.3C = Harmful to terrestrial vertebrates.

**Preparation:**

Ecotoxicity:

**Daphnia**

EC50 (48 hours) = 206 mg/L; Water flea (Daphnia magna)

**Algae**

Growth rate:

IC50 (72 hours) = 4.5 mg/L; green alga (Selenastrum capricornutum)

**Common name:****Metamitron**

Mobility:

Soil - Low mobility.

Persistence/degradability:

Soil:

The product is non persistent

Half-life time (t<sub>1/2</sub>): 30-90 days

Degradation is primarily via: microorganisms.

**Water:**Hydrolytic DT50 t<sub>1/2</sub>: 143 d at pH 5 (25°C)DT50 t<sub>1/2</sub>: 132 d at pH 7 (25°C)DT50 t<sub>1/2</sub>: 17.5 d at pH 9 (25°C)

Inherently degradable: > 79% in 28 days.  
Water pollution class (WGK): 2 – impairment of water quality.

Ecotoxicity:

**Fish:**

LC50 (96 hours) = 443 mg/L; golden orfe (*Leuciscus melanotus*)  
LC50 (96 hours) = 326 mg/L; rainbow trout (*Oncorhynchus mykiss*)  
LC50 (96 hours) = 194 mg/L; carp (*Cyprinus carpio*)

**Daphnia;**

EC50 (48 hours) = 101.7 mg/L; Water flea (*Daphnia magna*)

**Algae**

Growth rate:

IC50 (72 hours) = 1.8 mg/L; green alga (*Selenastrum capricornutum*)

Ecotoxicity:

**Birds:**

Japanese quail LD50 = 1,534 mg/kg

Do not allow to enter waterways.

### Section 13. Disposal Considerations

**Disposal Method:** Wherever possible completely use material by using according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Triple rinse containers and add rinsate to spray tank before puncturing and offering for recycling or landfill.

Container Disposal - Ensure container is completely empty. Burn if circumstances, specially wind direction, permit. Otherwise bury in a suitable landfill.



**Precautions:** Do not allow product to enter waterways.

**Disposal methods to avoid:** Do not allow product to enter waterways.

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012**



#### **Road and Rail Transport**

UN No: 2763  
Class-primary 6.1  
Packing Group III  
Proper Shipping Name: Triazine Pesticide, Solid, Toxic (Contains Metamitron)

#### **Air Transport**

UN No: 2763  
Class-primary 6.  
Packing Group III  
Proper Shipping Name: Triazine Pesticide, Solid, Toxic (Contains Metamitron)

#### **Marine Transport**

UN No: 2763  
Class-primary 6.1  
Packing Group III  
Proper Shipping Name: Triazine Pesticide, Solid, Toxic (Contains Metamitron)  
Marine Pollutant Yes

**Special Provisions:**

If the product's individual container is below 5kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

**National Transport Regulations:** Do not carry this product on a passenger service vehicle.

<b>Section 15</b>	<b>Regulatory Information</b>
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**This substance is hazardous according to the *Hazardous Substances (Classification) Notice 2017***

EPA Approval Code: HSR000535

HSNO Classification: 6.1B(inh), 6.1D(oral, dermal),9.1A, 9.2A, 9.3C

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Certified Handlers	Yes - Any quantity (6.1B)
Location Certificate	250kg (6.1B)
Signage Trigger Quantities (Schedule 3)	100Kg (9.1A)
Emergency Response Plan (Schedule 5)	100Kg (6.1B, 9.1A)
Secondary Containment (Schedule 5)	100Kg (9.1A)
Tracking (Schedule 26)	Any
Record Keeping	Records of use must be kept under certain circumstances - see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.
<b>HSNO Additional Controls (Restrictions of use)</b>	
77A	This substance must not be applied onto or into water.
<b>Hazardous Property Controls Notice 2017</b>	
HPC Notice Part 4 Clause 47	Equipment for class 9 substances must be appropriate
HPC Notice Part 4 Clause 48	Records of application of class 9 pesticides and plant growth regulators
HPC Notice Part 2	Certain substances restricted to workplaces only.
HPC Notice Part 3	Hazardous substances in a place other than a workplace.
HPC Notice Part 4 Subpart A	Site and storage controls for class 9 substances
HPC Notice Part 4 Subpart C	Qualifications required for application of class 9 pesticides
For all further controls:	Refer to EPA website <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls document - HSR000535
<b>ACVM Act and Regulations</b>	
ACVM Approval No	P007241
See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions.	
<b>Tolerable Exposure Level (TEL)</b>	No TEL set
<b>Environmental Exposure Level (EEL)</b>	No EEL set

<b>Section 16</b>	<b>Other Information</b>
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**Glossary**

EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.

LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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