



SAFETY DATA SHEET GOLTIX 70 WG Herbicide

Section 1: Identification of the Substance and Supplier

Product name: GOLTIX WG 70
Chemical name of active Ingredient(s): 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one
Supplier: ADAMA New Zealand Limited
Level1/19 Elms Street, Wakatu Estate, Stoke, Nelson, New Zealand
P.O.Box 1799, Nelson New Zealand.
Telephone +64 3 543 8275 Fax: +64 3 543 8274
Emergency Telephone: 0800 POISON (0800 764 766) 24 Hour Service

Section 2: Hazards Identification

Hazard Classifications: 6.1B, 9.1A 9.2A, 9.3C

TOXICITY

Warning - may be fatal if swallowed, inhaled or absorbed through the skin.
Avoid contact with skin and eyes and avoid inhalation of spray mist.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.
Very toxic in the soil environment.
Harmful to terrestrial vertebrates.

Section 3. Composition/Information on Ingredients

Substance/preparation : Preparation

Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Metamitron	41394-05-2	70	255-349-3	Xn,N	R22-50/53

* *Occupational Exposure Limit(s), if available, are listed in section 8*

Section 4: First-Aid Measures

First-aid measures : Remove victim from area of exposure. Wash off remaining material with plenty of water.

Inhalation: Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.

Ingestion: Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.

Skin contact: Remove contaminated clothing. Wash away remainder with water and soap.

Eye contact: Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Get medical attention.

Notes to a physician: There is no specific antidote. Treat symptomatically and give supportive therapy.

Protection of first-aiders: Use appropriate protection (see section 8).



SAFETY DATA SHEET GOLTIX 70 WG Herbicide

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable:** Dry chemical, water spray, foam, carbon dioxide.
- Hazardous thermal (de)composition products:** Carbon monoxide, hydrogen cyanide, nitrogen oxides.
- Protection of fire-fighters:** Self-contained breathing apparatus and total protection required in enclosed areas.

Section 6: Accidental Release Measures

- Personal precautions:** Wear suitable protective clothing.
- Environmental precautions:** Do not discharge into drains or the environment.
- Methods for cleaning up:** Absorb remainder in sand or other inert material. Dispose of in an authorized waste collection

Section 7: Handling and Storage

- Handling:** Dust mask is required. Ventilation is required to prevent dust generation. Prevent formation of explosive mixtures.
- Storage:** Keep only in the original container. Keep in cool, dry, well ventilated place away from direct sunlight, away from source of ignition.
- Packaging materials:** Perforated double ply sacks.
- Suitable:**

Section 8: Exposure Controls/Personal Protection

- Engineering measures:** Ventilation is required.
- Hygiene measures:** When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.
- Occupational Exposure Limits**
- Common name:** Metamitron
- "MAK" (Germany):** Not established
- Personal protective equipment:**
- Respiratory system:** Dust mask is required
- Skin and body:** Wear suitable protective clothing and chemical resistant boots.
- Hands:** Chemical resistant gloves
- Eyes:** Safety goggles or face shield.

Section 9: Physical and Chemical Properties

- Physical state:** Solid granules
- Colour:** Off-white
- Odour:** Faint odour
- Melting Point:** 150°C
- Vapour pressure:** 0.86 µPa @ 20°C (Metamitron)
- Solubility in water:** Dispersible
- Octanol/water partition Coefficient**
- pH** 3.5 – 4.5 (10% in water)
- Flammability:** Not flammable
- Explosion properties:** Not explosive
- Oxidation properties:** Not oxidizing
- Other Properties:**
- Risk of dust explosion:** May cause dust explosion.



SAFETY DATA SHEET GOLTIX 70 WG Herbicide

Impact sensitivity: Not impact sensitive.
Solid products combustibility: Local burning or glowing, at the most, only slight spreading.

Section 10: Stability and Reactivity

Stability: Thermal decomposition at 170°C (Metamitron)
Materials to avoid: Oxidizing agents, acids and alkali.
Hazardous reactions: None
Hazardous decomposition products: Carbon monoxide, hydrogen cyanide, nitrogen oxides.

Section 11: Toxicological Information

Acute toxicity - Oral: LD₅₀ (rat – male) = 2,950 mg/kg
LD₅₀ (rat – female) ~ 1,350 mg/kg
Acute toxicity - Dermal: LD₅₀ (rat) > 5,000 mg/kg
Acute toxicity – Inhalation: LD₅₀ (rat) > 1.418 mg/L (4 hours) (maximum attainable concentration)
Skin irritation: Non irritating (rabbit).
Eye irritation: Non irritating (rabbit).
Sensitization : Non sensitizer (guinea pig)

Common name: **Metamitron**
Chronic toxicity: NOEL (rat) = 250 mg/kg/day (2 years)
NOEL (mice) = 56 mg/kg/day (2 years)
Carcinogenicity: **EPA:** Not classified
EU: Not classified
IARC: Not classified
Mutagenicity: Not mutagenic

Section 12: Ecological Information

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:

Mobility: **Metamitron**
Soil – Low mobility.
Persistence/degradability: **Soil:**
The product is non persistent
Half-life time (t_{1/2}): 30-90 days
Degradation is primarily via: microorganisms.
Water:
Hydrolytic DT₅₀ t_{1/2}: 143 d at pH 5 (25°C)
DT₅₀ t_{1/2}: 132 d at pH 7 (25°C)
DT₅₀ t_{1/2}: 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



SAFETY DATA SHEET GOLTIX 70 WG Herbicide

Bees:

Oral and Contact LD₅₀ > 100 µg/bee

Toxic to aquatic organisms. Low toxicity: birds. Non toxic: bees.

Section 13: Disposal Considerations

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

Section 14: Transport Information

UN Number 3077
Proper shipping name Environmentally hazardous substance, Solid, N.O.S, Metamitron
DG Class 9
Packing Group III
Hazchem Code 2X
Marine Pollutant Yes
IER Guide page 47
National transport regulations: Do not carry this product on a passenger service vehicle.

Segregation: Check the land transport Rule Dangerous Goods 1999, Rule 45001 for additional information. Sea transport may require additional segregation. Refer: NZS5433; Sea Segregation, or the International Maritime Dangerous Goods Code for details.

Section 15: Regulatory Information

New Zealand Regulatory Information:

NZFSA Approval: Registered pursuant to the ACVM Act 1997. No P7241.
See www.nzfsa.govt.nz/acvm for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval No. HSR000535
See www.ermanz.govt.nz for registration conditions

HSNO Classifications: 6.1B, 9.1A, 9.2A, 9.3C

APPROVED HANDLER: This product must be under the control of an approved handler during use
RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

TRACKING: This product must be tracked – see SDS for details



ACUTE TOXIC



ECOTOXIC

Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or



SAFETY DATA SHEET **GOLTIX 70 WG Herbicide**

as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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