



MATERIAL SAFETY DATA SHEET

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Revised edition no : 1

Date : 25 / 2 / 2008

Supersedes : 0 / 0 / 0

GOLTIX WG 70

H-0070

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : GOLTIX WG 70
Chemical description : Metamitron: 4-amino-3-methyl-6-phenyl-1,2,4-triazine-5(4H)-one
Use : Herbicide.
Company identification : Agan Chemical Manufacturers Ltd.
P.O.B. 262
ASHDOD Israel
Emergency phone nr : +972-8-8515211
Email : MSDS@ma-industries.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Metamitron	: 65 - 75 %	41394-05-2	255-349-3	613-129-00-8	Xn; R22 N; R50

3. HAZARDS IDENTIFICATION

Human health hazards : Harmful if swallowed.
Environmental hazard : Toxic to aquatic organisms.

4. FIRST AID MEASURES

First aid
Inhalation : Remove victim to fresh air. If breathing is difficult: artificial respiration .
Get medical attention.
Ingestion : Wash out mouth with plenty of water. Never give anything by mouth to an
unconscious person. Get medical attention.
Skin contact : Remove contaminated clothing and shoes. Wash away remainder with plenty of
water.
Eye contact : Wash out with plenty of water with the eyelid held wide open for at least 15
minutes. Get medical attention.
Note to physician : No specific antidote known. Treat symptomatically and give supportive therapy.
Protection of first-aiders : Use appropriate protection (see section 8).

5. FIRE-FIGHTING MEASURES

Extinguishing media : For small fire : dry chemical powder , water spray carbon dioxide
For large fire : foam , water fog , water spray.
Hazardous decomposition products : Hydrogen Cyanide , nitrogen oxides (NO, NO2...) , carbon oxides (CO, CO2) .
Protection of fire-fighters : Self-contained breathing apparatus and total protection required in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear suitable protective clothing, gloves and eye/face protection.
Environmental precautions : Do not empty into drains. Do not discharge into the environment.
After spillage and/or leakage : Collect spills and put it into appropriated container. Dispose of this material and its
container at hazardous or special waste collection point.



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7. HANDLING AND STORAGE

Handling	: Ventilation required.
Storage	: Keep in original containers. Keep away from food, drink and animal feeding stuffs. Store in dry, well-ventilated area.
Precautions in handling and storage	: Handle in accordance with good industrial hygiene and safety procedures.
Storage - away from	: Direct sunlight .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	: Ventilation required.
Industrial hygiene	: Wash hands thoroughly after handling. When using do not eat, drink or smoke. Wash clothing before re-using.
Personal protection	
- Respiratory protection	: Dust mask
- Skin protection	: Wear suitable protective clothing Wear safety boots.
- Hand protection	: Wear suitable gloves.
- Eye protection	: Chemical goggles or safety glasses.
Occupational Exposure Limits	
8 Hour TWA [mg/m ³]	: Metamitron: 10 (inhal.dust); 4 (respir.dust)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Granular solid.
Colour	: Off-white
Odour	: Faint odour
pH value	: 3.5-4.5 (10% in water)
Melting point [°C]	: 150
Vapour pressure [µPa]	: 0.86 @ 20°C (Metamitron)
Solubility in water	: Dispersible
Log P octanol / water	: 0.85 @ 21°C (Metamitron)
Flammability	: Not flammable
Explosion properties	: Not explosive
Oxidation properties	: Not oxidizing

10. STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Hazardous decomposition products	: Hydrogen Cyanide , nitrogen oxides (NO, NO ₂ ...) , carbon oxides (CO, CO ₂) .
Materials to avoid	: oxidizing agents , acids , alkali .
Conditions to avoid	: Thermal decomposition at 170°C (Metamitron)

11. TOXICOLOGICAL INFORMATION

On product	
Rat oral LD50 [mg/kg]	: female ~ 1,350 male =2,950
Rat dermal LD50 [mg/kg]	: > 5,000
Rat inhalation LC50 [mg/l/4h]	: >1.418 Maximum concentration attainable.
Dermal irritation (rabbit)	: Not irritant
Eyes irritation (rabbit)	: Not irritant
Sensitization	: Non sensitizer



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11. TOXICOLOGICAL INFORMATION (continued)

Chronic toxicity	: Metamitron: : NOEL (rat)=250 mg/kg/day (2 years). : NOEL (mise)=56 mg/kg/day (2 years)
Carcinogenicity	: Metamitron: : EPA : Not classified : EU : Not classified : IARC : Not classified : (Metamitron): NOAEL (rat)=300 mg/kg or 23.1 mg/kg/day (2 years)
Mutagenicity	: (Metamitron): Not mutagenic.
Reproductive toxicity	: (Metamitron): NOAEL (rat)= 100 mg/kg or 9.4 mg/kg/day
Properties	: Risk of dust explosion: May cause dust explosion

12. ECOLOGICAL INFORMATION

On product	
96 H-LC50 - Carp [mg/l]	: Metamitron: 194
96 H-LC50 - Rainbow trout [mg/l]	: Metamitron: 326
48 H-EC50 - Daphnia magna [mg/l]	: 206
72 H-EC50 Algae [mg/l]	: 4.5
LD50 Birds [mg/kg]	: Metamitron: Japanese quail =1,534
Bees LD50 [µg/Bee]	: Metamitron: (Oral & contact): >100 : Contact > 100
Persistence and degradability	: Metamitron: Soil : : The product is not persistent. : Half-life time (t1/2) : 30-90 days. : Degradation is primarily via: hydrolysis , microorganisms : Metamitron: Water : : Hydrolytic: Half-life time (t1/2) :143 days (pH 5) @ 25°C : Half-life time (t1/2) : 132 days (pH 7) @ 25°C : Half-life time (t1/2) : 17.5 days (pH 5) @ 25°C
Mobility	: Metamitron: Soil : : Low mobility : does not leach to ground water
LC50 - fish [mg/l]	: Metamitron: 443 (golden orfe)

13. DISPOSAL CONSIDERATIONS

Disposal	: Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. Dispose in a safe manner in accordance with local/national regulations.
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14. TRANSPORT INFORMATION

International transport regulations	
- UN No.	: 3077
- Proper shipping name	: Environmentally hazardous substances, solid, N.O.S. (Metamitron)
Land transport	
- H.I. nr :	: 90
- ADR/RID	: Class 9, M7, PG III
Sea transport	
- IMO-IMDG code	: Class 9, PG III



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14. TRANSPORT INFORMATION (continued)

- EMS-Nr : F-A, S-F
Air transport
- IATA - Class or division : 9, PG III
National transport regulations : No additional national regulations are available/required

15. REGULATORY INFORMATION

- EU Classification : According to Commision Directive 67/548/EEC and its amendments
Symbol(s)



- R Phrase(s) : Harmful.
Dangerous for the environment.
: R22 - Harmful if swallowed.
R51- Toxic to aquatic organisms.
S Phrase(s) : S02 - Keep out of the reach of children.
S13- Keep away from food, drink and animal feedingstuffs.
S29/35- Do not empty into drains; dispose of this material and its container in a safe way.
S46- If swallowed, seek medical advice immediately and show this container or label.
S57- Use appropriate containment to avoid environmental contamination.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION

- Text of R-phrases in heading 2 : R22 - Harmful if swallowed.
R50 - Very toxic to aquatic organisms.
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