



# MATERIAL SAFETY DATA SHEET

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Revised edition no : 1

Date : 15 / 10 / 2009

Supersedes : 0 / 0 / 0

## GOLTIX 70 SC

**H-01870(23035)**

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

**Trade name** : GOLTIX 70 SC  
**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  
MSDS@ma-industries.com  
**Emergency phone nr** : +972-8-8515211

### 2. HAZARDS IDENTIFICATION

**Human health hazards** : Harmful if swallowed.  
**Environmental hazard** : Very toxic to aquatic organisms.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Metamitron	: 55 - 60 %	41394-05-2	255-349-3	613-129-00-8	Xn; R22 N; R50

### 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** : for at least 15 minutes.  
Wash out with plenty of water with the eyelid held wide open 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.  
Keep away from combustible material.

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### 7. HANDLING AND STORAGE

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures</b>	: Ventilation required.
<b>Industrial hygiene</b>	: Wash hands thoroughly after handling. When using do not eat, drink or smoke. Wash clothing before re-using.
<b>Personal protection</b>	
- <b>Respiratory protection</b>	: Respiratory protection is not required if good ventilation is maintained
- <b>Skin protection</b>	: Wear suitable protective clothing Wear safety boots.
- <b>Hand protection</b>	: Wear suitable gloves.
- <b>Eye protection</b>	: Chemical goggles or safety glasses.
<b>Occupational Exposure Limits</b>	
<b>TWA [mg/m3]</b>	: <b>Long term exposure limit 8 hour-Metamitron: 10 (inhal.dust); 4 (respir.dust)</b>

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	: Liquid
<b>Colour</b>	: Light Beige
<b>Odour</b>	: Faint odour
<b>pH value</b>	: 6.5-7.5 (Undiluted)
<b>Boiling point [°C]</b>	: 100 (water)
<b>Density [g/ml]</b>	: 1.21 @ 20°C
<b>Vapour pressure [µPa]</b>	: 0.86 @ 20°C (Metamitron)
<b>Solubility in water</b>	: Miscible
<b>Log P octanol / water</b>	: 0.85 @ 21°C (Metamitron)
<b>Flammability</b>	: Not flammable
<b>Explosion properties</b>	: Not explosive
<b>Oxidation properties</b>	: Not oxidizing

### 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Stable under normal conditions.
<b>Hazardous decomposition products</b>	: Hydrogen Cyanide , nitrogen oxides (NO, NO2...) , carbon oxides (CO, CO2) .
<b>Materials to avoid</b>	: oxidizing agents , acids , alkali .
<b>Conditions to avoid</b>	: Thermal decomposition at 170°C (Metamitron)

### 11. TOXICOLOGICAL INFORMATION

<b>On product</b>	
<b>Rat oral LD50 [mg/kg]</b>	: 500-2,000
<b>Rat dermal LD50 [mg/kg]</b>	: > 4,000
<b>Rat inhalation LC50 [mg/l/4h]</b>	: >1.878 Maximum concentration attainable.
<b>Dermal irritation (rabbit)</b>	: Not irritant
<b>Eyes irritation (rabbit)</b>	: Not irritant

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### 11. TOXICOLOGICAL INFORMATION (continued)

<b>Sensitization</b>	: Non sensitizer
<b>Carcinogenicity</b>	: <b>Metamitron:</b> : EU : Not classified
<b>Mutagenicity</b>	: (Metamitron): Not mutagenic
<b>Reproductive toxicity</b>	: No adverse health effects were noted.

### 12. ECOLOGICAL INFORMATION

<b>On product</b>	
<b>96 H-LC50 - Rainbow trout [mg/l]</b>	: >200
<b>48 H-EC50 - Daphnia magna [mg/l]</b>	: 170
<b>72H- EC50 - Algae [mg/l]</b>	: 0.82
<b>LD50 Birds [mg/kg]</b>	: (Metamitron): Japanese quail =1,534
<b>Bees LD50 [µg/Bee]</b>	: Not toxic to bees
<b>Persistence and degradability</b>	: <b>Metamitron: Soil :</b> : The product is not persistent. Half-life time (t1/2) : 30-90 days. : <b>Metamitron: Water :</b> : Half-life time (t1/2) :17-143 days
<b>Mobility</b>	: <b>Metamitron: Soil :</b> : Low mobility does not leach to ground water

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal</b>	: 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

- <b>UN No.</b>	: 3082
- <b>Proper shipping name</b>	: UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.( METAMITRON), 9, III
- <b>Packing group</b>	: III
- <b>Class</b>	: 9
- <b>H.I. nr :</b>	: 90
- <b>IMDG-Marine pollution</b>	: Yes

### 15. REGULATORY INFORMATION

**EU Classification** : According to Commision Directive 67/548/EEC and its amendments

**Symbol(s)**



**R Phrase(s)**

: Xn: Harmful.  
N: Dangerous for the environment.  
: R22 - Harmful if swallowed.  
R50 - Very toxic to aquatic organisms.

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## 15. REGULATORY INFORMATION (continued)

**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 3 :** R22 - Harmful if swallowed.  
R50 - Very toxic to aquatic organisms.

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