



# MATERIAL SAFETY DATA SHEET

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Revised edition no : 1

Date : 30 / 1 / 2008

Supersedes : 0 / 0 / 0

## AMETREX 80 WG

**H-0040 (01814)**

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

**Trade name** : AMETREX 80 WG  
**Chemical description** : Ametryn (ISO): N2-ethyl-N4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine  
**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
Ametryn (ISO)	78 - 82 %	834-12-8	212-634-7	613-010-00-0	Xn; R22 N; R50-53

### 3. HAZARDS IDENTIFICATION

**Human health hazards** : Irritating to eyes.  
**Environmental hazard** : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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** : Sulfur oxides , 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

- 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**
- TLV** : Ametryn (ISO): No data available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Granules
- Colour** : Brownish
- Odour** : Faint odour
- Melting point [°C]** : 84-85 (Ametryn (ISO))
- Bulk density [g/cc]** : 0.473
- Vapour pressure [mPa]** : 0.365 @ 25°C (Ametryn (ISO))
- Solubility in water** : Miscible.
- Flammability** : Not flammable
- Log P octanol / water** : 2.63 @ 25°C (Ametryn(ISO))
- Explosion properties** : Not explosive
- Oxidation properties** : Not oxidizing

### 10. STABILITY AND REACTIVITY

- Stability** : Stable under normal conditions.
- Hazardous decomposition products** : Sulfur oxides , nitrogen oxides (NO, NO2...) , carbon oxides (CO, CO2) .
- Materials to avoid** : oxidizing agents , acids , alkali .

### 11. TOXICOLOGICAL INFORMATION

- On product**
- Rat oral LD50 [mg/kg]** : >2,000
- Rat dermal LD50 [mg/kg]** : > 2,000
- Rat inhalation LC50 [mg/l/4h]** : >2.05 (Technical)
- Dermal irritation (rabbit)** : Mildly irritating
- Eyes irritation (rabbit)** : Moderately irritating



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### 11. TOXICOLOGICAL INFORMATION (continued)

<b>Sensitization</b>	: Non sensitizer
<b>Chronic toxicity</b>	: (Ametryn (ISO)): NOEL (rat)=50 ppm or 2.5 mg/kg/day. NOEL (dog)= 200 ppm or 10 mg/kg/day.
<b>Carcinogenicity</b>	: (Ametryn (ISO)): EPA , EU , IARC : not classified.
<b>Mutagenicity</b>	: (Ametryn (ISO)): Not mutagenic.
<b>Reproductive toxicity</b>	: (Ametryn (ISO)): NOEL (rat)=20 ppm (maternal). NOEL (rat)=2,000 ppm (fetal).
<b>Teratogenicity</b>	: (Ametryn (ISO)): NOEL (rat)=125 mg/kg/day (maternal), 60 mg/kg/day (fetal).

### 12. ECOLOGICAL INFORMATION

<b>On product</b>	: <b>Ametrex 80 WG</b>
<b>96 Hour-LC50-Bluegill sunfish [mg/l]</b>	: (Ametryn (ISO)): 4.1
<b>96 Hour - LC50- fish [mg/l]</b>	: Zebra fish =2.39
<b>48 H-LC50-Daphnia magna [mg/l]</b>	: 29.2
<b>48 H-LC50 - Algae [mg/l]</b>	: (Ametryn): 0.84
<b>LD50 Birds [mg/kg]</b>	: Japanese quail =1735
<b>Bees LD50 [µg/Bee]</b>	: (Ametryn): Oral > 100
<b>Persistence and degradability</b>	: <b>(Ametryn (ISO)): Soil :</b> : Moderately persistent in soil Half-life time (t1/2) 60-130 days. Degradation is primarily via: microorganisms.
<b>Mobility</b>	: <b>(Ametryn (ISO)): Soil :</b> : Low mobility . Adsorbed on organic matter and clay.

### 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>International transport regulations</b>	
- UN No.	: 3077
- Proper shipping name	: Environmentally hazardous substances, solid, N.O.S. (Ametryn (ISO)).
<b>Land transport</b>	
- H.I. nr :	: 90
- ADR/RID	: Class 9, M7, PG III
<b>Sea transport</b>	
- IMO-IMDG code	: Class 9, PG III
- EMS-Nr	: F-A, S-F
<b>Air transport</b>	
- IATA - Class or division	: 9, PG III
<b>National transport regulations</b>	: No additional national regulations are available/required



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### 15. REGULATORY INFORMATION

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

Symbol(s)

: Irritant  
Dangerous for the environment.

R Phrase(s)

: R36 - Irritating to eyes.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s)

: S02 - Keep out of the reach of children.  
S13- Keep away from food, drink and animal feedingstuffs.  
S20- When using do not eat or drink.  
S25 - Avoid contact with eyes.  
S29/35- Do not empty into drains; dispose of this material and its container in a safe way.  
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.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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