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

Product Name: ATRANEX 90 WG
Chemical Name of active ingredient: 2-Chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine
Manufacturer: Agan Chemical Manufacturers Ltd.
Northern Industrial Zone.
P.O. Box 262, Ashdod, Israel
Emergency telephone: +972-8-8515211

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / preparation: Preparations
Information on hazard ingredients:

<table>
<thead>
<tr>
<th>Common name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC Number</th>
<th>Symbol</th>
<th>R-Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atrazine</td>
<td>1912-24-9</td>
<td>88-92</td>
<td>217-617-8</td>
<td>Xn</td>
<td>R20/22-36-40-43</td>
</tr>
</tbody>
</table>

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

3. HAZARDS IDENTIFICATION

Most important hazards: Harmful by inhalation and if swallowed. Irritating to eyes. Possible risks of irreversible Effects. May cause sensitization by skin contact. Toxic to aquatic organisms.

4. FIRST-AID MEASURES

Effects and symptoms:
Skin Contact: May cause sensitization by skin contact.
Eye Contact: Irritating to eyes

First-aid measures:
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)
5. FIRE-FIGHTING MEASURES

Extinguishing media
Suitable: Dry chemical, water spray, foam, carbon dioxide
Hazardous thermal: Chloride compounds and nitrogen oxides
(de)composition products
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
Environmental precautions: Do not discharge into drains or the environment.
Methods for cleaning up: Collect spilled material. Dispose of this material and its container at hazardous or special waste collection point.

7. HANDLING AND STORAGE

Handling: Ventilation required
Storage: Keep only in the original container. Keep in a cool dry. Well ventilated place away from Direct sunlight

Packaging materials
Suitable: Polythylene-lined aluminium foil laminated bags. Perforated double ply sacks

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ventilation 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: Atrazine
TLV (USA): 5 mg/m³
“MAK” (Germany): 2 mg/m³
OEL (United Kingdom): 10 mg/m³

Personal Protective Equipment
Respiratory system: Dust mask is required
Skin and body: Wear suitable protective clothing. Chemical resistant boots.
Hands: Chemical resistant gloves
Eyes: Safety goggles or face shield

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Granules
Color: Whitish
Odor: Faint odour
Melting Point: 172-175°C
Vapour pressure: 0.04 mPa (α) 25°C (Atrazine)
Solubility in water: 28 ppm (α) 20°C (Atrazine)
Octanol /water partition Coefficient: log = 2.44 (Atrazine)
Flammability: Not flammable
Explosion properties: Not explosive
Oxidation properties: Not oxidizing

10. STABILITY AND REACTIVITY
Stability: Not subject to polymerization
Materials to avoid: Oxidizing agents, acids and alkali
Hazardous reactions: None
Hazardous decomposition Products: Chloride compounds and nitrogen oxides

11. TOXICOLOGICAL INFORMATION
Preparation
Estimated from toxicity data of constituents
Acute toxicity - Oral LD50 (rat) > 2.000 mg/kg
Acute toxicity - Dermal LD50 (rabbit) > 2.000 mg/kg
Common name Atrazine
Chronic toxicity: NOEL (rat): 10 ppm
Carcinogenicity EPA: Group C
EU: Category 3
IARC: Group 2B
Mutagenicity: Not mutagenic
Reproduction toxicity: NOEL (rat): 50 ppm (2 generation)
Other information: Teratogenicity - NOEL (rat): 25 mg/kg/day

12. ECOLOGICAL INFORMATION
Common name: Atrazine
Mobility: Soil - Moderately mobile
Persistence /degradability: The product is not persistent. Half-life time (t1/2): 35-50 days
Degradation is primarily via: chemical hydrolysis
Bioaccumulative potential: Bioaccumulation in aquatic organisms is expected
Ecotoxicity Fish
LC50 (96 hours) rainbow trout = 8.8 mg/L
Carp = 76 mg/L
Catfish = 7.6 mg/L
Bluegill sunfish = 16 mg/L
Guppy
**Daphnia magna**
EC50 (48 hours) bobwhite quail = 464 mg/kg

**Algae** (selenastrum capricornutum)
EC50 (72 hours) = 0.06

**Bids**
LD50 (48 hours) bobwhite quail = 464 mg/kg
Pecking duck = 10,000 mg/kg

**Bees**
Contact LD50 > 100 ug/bee
Oral LD50 > 97 ug/bee

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

### 13. DISPOSAL CONSIDERATIONS

**Methods of disposal**
Dispose of in pesticide approved landfill or in a chemical incinerator equipped with scrubbers. In accordance with national and regional regulations.

### 14. TRANSPORT INFORMATION

Not Classified

**National transport regulations**
No additional national transport regulations are known to the supplier

### 15. REGULATORY INFORMATION

**Classification:** This product is provisionally labeled by the supplier in accordance with the Supplier's understanding of the EU regulations

**Hazard Symbol:** Xn

**Risk Phrases:**
R20/22: Harmful by inhalation and if swallowed
R36: Irritating to eyes
R40: Possible risks of irreversible effects
R43: May cause sensitization by skin contact

**Safety Phrases:**
S02: Keep out of the reach of children
S13: Keep away from food, drink and animal feedingstuffs
S20/21: When using do not eat, drink or smoke
S23D: Do not breathe spray
S24/25: Avoid contact with skin and eyes
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S46: If swallowed, seek medical advice immediately and show this container or label
S61: Avoid release to the environment. Refer to special instructions / Safety Data sheets.
16. OTHER INFORMATION

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

HISTORY
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Date of issue: 26/01/1999
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The version-number is made up for three parts: part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code

Prepared by Ahmed Taya/Jennifer Ashtamkar