

# SAFETY DATA SHEET

## ATRANEX 50P SC

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

**Product name** : ATRANEX 50P SC  
**Chemical name of active ingredient(s)** : 6-chloro-N<sup>2</sup>-ethyl-N<sup>4</sup>-isopropyl-1,3,5-triazine-2,4-diamine  
**Manufacturer** : Agan Chemical Manufacturers Ltd.  
Northern Industrial Zone,  
P.O.Box 262, Ashdod, Israel.  
**Emergency telephone number** : +972-8-8515211

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation** : Preparation

**Information on hazardous ingredients** \*

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Atrazine	1912-24-9	43 - 47	217-617-8	Xn,N	R43-48/22-50/53

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

### 3. HAZARDS IDENTIFICATION

**Most important hazards** : May cause sensitization by skin contact. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST-AID MEASURES

**Effects and symptoms**

**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).

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#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

- Suitable** : Dry chemical, water spray, foam, carbon dioxide.
- Hazardous thermal (de)composition products** : Chloride compounds and nitrogen oxides.
- 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** : Absorb remainder in sand or other inert material. Dispose of in an authorized waste collecting 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** : High density polyethylene extrusion blow containers.  
Polyethylene-lined metal drums.

#### 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/m<sup>3</sup>
- "MAK" (Germany)** : 2 mg/m<sup>3</sup>
- OEL (United Kingdom)** : 10 mg/m<sup>3</sup>
- Personal protective equipment**
- Respiratory system** : Respiratory protection is not required if good ventilation is maintained.
- 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** : Liquid
- Colour** : White
- Odour** : Faint odour

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Boiling point	: 100°C (Water)
Density	: 1.11 ± 0.02 g/mL @ 20°C
Vapour pressure	: 0.04 mPa @ 25°C (Atrazine)
Solubility in water	: 28 ppm @ 20°C (Atrazine)
Octanol/water partition coefficient	: log = 2.44 (Atrazine)
pH	: 6 - 8 CIPAC, MT 75.
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

Acute toxicity - Oral	: LD <sub>50</sub> (rat) = 2,540 mg/kg
Acute toxicity - Dermal	: LD <sub>50</sub> (rat) > 5,000 mg/kg
Acute toxicity - Inhalation	: LC <sub>50</sub> (rat) > 5 mg/L (4 hours)
Skin irritation	: Slightly irritating (rabbit).
Eye irritation	: Slightly irritating (rabbit).
Sensitization	: Moderate sensitizer (guinea-pig).
<b>Common name</b>	: <b>Atrazine</b>
Chronic toxicity	: NOEL (rat): 10 ppm
Carcinogenicity	: EPA : Group C EU : Carc. Cat. 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

##### Preparation

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**Ecotoxicity** : **Fish**  
 LC<sub>50</sub> (96 hours) rainbow trout (oncorhynchus mykiss) = 4.6 mg/L  
 common carp (cyprinius caprio) ~ 80 mg/L

**Daphnia similis**  
 EC<sub>50</sub> (48 hours) = 31 mg/L

**Algae** (selenastrum capricornutum)  
 EC<sub>50</sub> (96 hours) = 0.2 mg/L

Very toxic to aquatic organisms.

**Common name** : **Atrazine**

**Mobility** : Soil - Moderately mobile.  
 K<sub>oc</sub> = 39-173 mL/g  
 K<sub>d</sub> = 0.2 - 18 mL/g

**Persistence/degradability** : The product is not persistent. Half-life time (t<sub>1/2</sub>): 16-77 days.  
 Degradation is primarily via: chemical hydrolysis.

**Water**  
 DT<sub>50</sub> (natural water) : 10-105 days.

**Bioaccumulative potential** : Bioaccumulation in aquatic organisms is expected.

**Ecotoxicity** : **Fish**  
 LC<sub>50</sub> (96 hours) rainbow trout (oncorhynchus mykiss) = 4.5 - 11 mg/L  
 common carp (cyprinius caprio) = 76 mg/L  
 catfish (ictalurus ameirus) = 7.6 mg/L  
 bluegill sunfish (lepomis macrochirus) = 16 mg/L  
 guppy (lebistis reticulatus) = 4.3 mg/L  
 NOEC (21 days) rainbow trout (oncorhynchus mykiss) = 0.06 mg/L

**Daphnia magna**  
 EC<sub>50</sub> (24 hours) = 87 mg/mL  
 NOEC (21 days) = 0.04 mg/L

**Algae** (selenastrum capricornutum)  
 EC<sub>50</sub> (72 hours) = 0.13 mg/L

**Birds**  
 LD<sub>50</sub> Bobwhite quail (colinus virginianus) = 940 mg/kg  
 LD<sub>50</sub> Mallard duck (anas platyrhynchos) > 2,000 mg/kg  
 LD<sub>50</sub> Japanese quail (coturnix coturnix japonica) = 4,237 mg/kg  
 LC<sub>50</sub> Japanese quail (coturnix coturnix japonica) > 1,000 ppm (8 days)

**Bees**  
 Contact LD<sub>50</sub> > 100 µg/bee  
 Oral LD<sub>50</sub> > 97 µg/bee

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

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

**International transport regulations**

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**UN number** : 3082

**Land - Road/Railway**

**Proper shipping name** : Environmentally hazardous substance, Liquid, N.O.S., Atrazine.  
**ADR/RID Class** : 9, M6, PG III  
**Hazard Identification Number** : 90

**Inland waterways**

**Proper shipping name** : Environmentally hazardous substance, Liquid, N.O.S., Atrazine.  
**ADNR Class** : 9, M6, PG III

**Sea**

**Proper shipping name** : Environmentally hazardous substance, Liquid, N.O.S., Atrazine.  
**IMDG Class** : 9  
**Packing group** : III  
**Emergency Schedules (EmS)** : F-A, S-F

**Air**

**Proper shipping name** : Environmentally hazardous substance, Liquid, N.O.S., Atrazine.  
**UN/ID Number** : 3082  
**IATA-DGR Class** : 9, PG III

**National transport regulations**

No additional national transport regulations are known to the supplier

### 15. REGULATORY INFORMATION

**Classification** : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations (Directive 67/548/EEC, 1999/45/EC).

**Hazard symbol(s)** : Xn, N



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

**Risk phrases** : R43: May cause sensitization by skin contact.  
R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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#### 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.  
S24/25: Avoid contact with skin and eyes.  
S35: This material and its container must be disposed of in a safe way.  
S36/37: Wear suitable protective clothing and gloves.  
S57: Use appropriate containment to avoid environmental contamination.  
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 to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

#### HISTORY

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**Version** : 001

The version-number is made up of three parts; part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code

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