

SAFETY DATA SHEET

SUPRANEX 90 WG

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

Product name : SUPRANEX 90 WG
Chemical name of active ingredient(s) : Atrazine:
 6-Chloro-N²-ethyl-N⁴-isopropyl-1,3,5-triazine-2,4-diamine
 Terbutylazine:
 N²-tert-butyl-6-chloro-N⁴-ethyl-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
Terbutylazine	5915-41-3	43 - 47	227-637-9	Not classified	-

* *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).

SAFETY DATA SHEET

SUPRANEX 90 WG

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** : Dust mask is required.
- Storage** : Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight.

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
- Common name** : **Terbutylazine**
- : Not established
- 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
- Colour** : Whitish
- Odour** : Faint odour

SAFETY DATA SHEET

SUPRANEX 90 WG

Vapour pressure : 0.04 mPa @ 25°C (Atrazine)
 : 0.15 mPa @ 25°C (Terbutylazine)
Solubility in water : 28 ppm @ 20°C (Atrazine)
 : 8.15 ppm @ 20°C (Terbutylazine)
Octanol/water partition coefficient : log = 2.44 (Atrazine)
 : log = 3.04 (Terbutylazine)
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 (rat) > 2,000 mg/kg

Common name : **Atrazine**

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

Common name : **Terbutylazine**

Chronic toxicity : NOEL (rat) = 0.22 mg/kg/day (2 years)
 NOEL (mouse) = 15.4 mg/kg/day (2 years)
 NOEL (dog) = 0.4 mg/kg/day (1 years)

Carcinogenicity : EPA : Group D
 EU : Not classified
 IARC : Not classified

Mutagenicity : Not mutagenic

12. ECOLOGICAL INFORMATION

Common name : **Atrazine**

Mobility : Soil - Moderately mobile.
 K_{oc} = 39-173 mL/g
 K_d = 0.2 - 18 mL/g

SAFETY DATA SHEET

SUPRANEX 90 WG

Ecotoxicity

: Fish

LC₅₀ (96 hours) rainbow trout (*oncorhynchus mykiss*) = 3.8 - 4.6 mg/L
bluegill sunfish (*lepomis macrochirus*) = 7.5 mg/L
catfish (*ictalurus ameirus*), carp = 7 mg/L
NOEC (7 days) Zebra fish (*branchydanio rerio*) = 1 mg/L

Daphnia magna

EC₅₀ (48 hours) = 21.2 mg/L

Algae (*scenedesmus subspicatus*)

EC₅₀ (72 hours) = 0.016 mg/L

Birds

Mallard duck (*anas platyrhynchos*) LD₅₀ > 1,000 mg/kg
LC₅₀ (8 day feeding) >5,620 ppm
Bobwhite quail (*colinus virginianus*) LD₅₀ > 1,000 mg/kg
LC₅₀ (8 day feeding) > 5,620 ppm

Bees

Oral and Contact LD₅₀ > 100 µg/bee

Very toxic to 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

Not classified.

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 (Directives 67/548/EEC, 1999/45/EC).

Hazard symbol(s)

: Xn, N



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

SAFETY DATA SHEET

SUPRANEX 90 WG

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.

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.
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

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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