

SAFETY DATA SHEET

SIMANEX 90 WG

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

Product name : SIMANEX 90 WG
Chemical name of active ingredient(s) : 6-Chloro-N²,N⁴-diethyl-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 : Substance

Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Simazine	122-34-9	88 - 92	204-535-2	Xn,N	R40-50/53

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

3. HAZARDS IDENTIFICATION

Most important hazards : Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

Effects and symptoms

Skin contact : May be irritating to skin. May cause sensitization by skin contact.
Eye contact : Irritating to eyes.

First-aid measures

Inhalation : Remove victim from area of exposure. Wash off remaining material with plenty of water.
 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 : Collect spilled material. Do not empty into drains, 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 : Woven polypropylene big bags.

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 : **Simazine**
: 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

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Melting point : 220.5 - 222°C (Simazine)
Vapour pressure : 0.003 mPa @ 25°C (Simazine)
Solubility in water : 6.2 - 7 ppm @ 25°C (Simazine)
Octanol/water partition coefficient : log = 2.19 (Simazine)
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 : LD₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Dermal : LD₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Inhalation : LC₅₀ (rat) = 4.23 mg/L (4 hours)
Skin irritation : Mildly irritating (rabbit)
Eye irritation : Mildly irritating (rabbit)
Sensitization : Non sensitizer (guinea-pig)

Common name : **Simazine**
Chronic toxicity : NOEL : rat 10 ppm ; mouse 40 ppm .
Carcinogenicity : EPA : Group C
 EU : Carc. Cat. 3
 IARC : Group 3

Mutagenicity : Not mutagenic.
Reproduction toxicity : NOEL (rat): 10 ppm (Maternal) ; 500 ppm (Fetal).
Other information : Teratogenicity - NOEL (rat): 10 mg/kg/day ; NOEL (rabbit): 5 mg/kg/day.

12. ECOLOGICAL INFORMATION

Common name : **Simazine**
Mobility : **Soil**
 Low mobility.
 Adsorbed on organic matter and clay.
 K_{oc} = 103 - 277 mL/g
 K_d = 0.37 - 4.66 mL/g

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Emergency Schedules (EmS) : F-A, S-F

Air

Proper shipping name : Environmentally hazardous substance, Solid, N.O.S., Simazine.
UN/ID Number : 3077
IATA-DGR Class : 9, PG III

National transport regulations

No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION

Classification : According to Commission Directive 2001/59/EC.
Hazard symbol(s) : Xn, N



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

Risk phrases : R40: Limited evidence of a carcinogenic effect.
 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.
 S36/37: Wear suitable protective clothing and gloves.
 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 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.

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