

SAFETY DATA SHEET

TYLSIMEX 500 SC

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.

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 : **Terbutylazine**
: Not established
Common name : **Simazine**
: Not established
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 : Whitish
Odour : Faint odour

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Boiling point	: 100°C (Water)
Density	: 1.1 ± 0.02 g/mL @ 20°C
Vapour pressure	: 0.15 mPa @ 25°C (Terbutylazine) 0.003 mPa @ 25°C (Simazine)
Solubility in water	: 8.5 ppm @ 20°C (Terbutylazine) 6.2 - 7 ppm @ 25°C (Simazine)
Octanol/water partition coefficient	: log = 3.04 (Terbutylazine) log = 2.19 (Simazine)
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

Estimated from toxicity data of constituents

Acute toxicity - Oral	: LD ₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Dermal	: LD ₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Inhalation	: LC ₅₀ (rat) > 5 mg/L (4 hours)

<u>Common name</u>	: 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
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Mutagenicity	: Not mutagenic
<u>Common name</u>	: 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

SAFETY DATA SHEET TYLSIMEX 500 SC

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

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 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.

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