

SAFETY DATA SHEET

ALPHA TERBUTRYN 50 SC

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

Product name : ALPHA TERBUTRYN 50 SC
Chemical name of active ingredient(s) : N2-tert-butyl-N4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
Manufacturer : Agan Chemical Manufacturers Ltd.
 Northern Industrial Zone,
 P.O.Box 262, Ashdod, Israel.
Supplier : Makhteshim-Agan (UK) Ltd.
 Unit 16, Thatcham Business Village
 Colthrop Way, Thatcham
 Berkshire RG19 9LW, U.K.
Emergency telephone number : National Chemical Emergency Centre, Tel:01865 407333.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation
Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Terbutryn	886-50-0	45 - 50	212-950-5	Not classified	-

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

3. HAZARDS IDENTIFICATION

Most important hazards : Toxic to aquatic organisms.

4. FIRST-AID MEASURES

Effects and symptoms

Eye contact : May be irritating to eyes.

First-aid measures

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** : sulphur oxides 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** : Plastic 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** : **OEL (United Kingdom)**
Terbutryn : 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** : White
- Odour** : Faint odour

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Boiling point	: 100°C (Water)
Density	: 1.055 ± 0.020 g/mL @ 20°C
Vapour pressure	: 0.23 mPa @ 25°C (Terbutryn)
Solubility in water	: 22 ppm @ 20°C (Terbutryn)
Octanol/water partition coefficient	: log = 3.65 (Terbutryn)
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	: sulphur oxides and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Preparation

Acute toxicity - Oral	: LD ₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Dermal	: LD ₅₀ (rabbit) > 2,000 mg/kg
Acute toxicity - Inhalation	: LC ₅₀ (rat) > 5 mg/L (4 hours)
Skin irritation	: Not irritating (rabbit).
Eye irritation	: Slightly irritating (rabbit).

Common name	: Terbutryn
Chronic toxicity	: NOEL (dog) = 1,000 ppm or 10 mg/kg/day (6 months).
Carcinogenicity	: EPA : Group C EU : Not classified IARC : Not classified
Mutagenicity	: Not mutagenic

12. ECOLOGICAL INFORMATION

Preparation

Common name	: Terbutryn
Mobility	: Soil Low mobility. Adsorbed on organic matter and clay.
Persistence/degradability	: Soil The product is not persistent. Half-life time (t _{1/2}): 14-28 days. Degradation is primarily via: microorganisms.

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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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