

# SAFETY DATA SHEET



Product Name: **CLAROSAN** Reference No: 051

Version No.: 2 Revision Date: March 2004 Date of Introduction: June 1999

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name CLAROSAN  
Common name of active ingredient TERBUTRYN  
Intended use For use only as an Aquatic Herbicide  
Company Identification **Scotts UK Professional**  
**The Scotts Company (UK) Limited**  
Paper Mill Lane  
Bramford, Ipswich Telephone +44 (0) 1473 830 492  
Suffolk IP8 4BZ  
Emergency Telephone 01865 407333 (24hr)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

NPK: Not applicable

### Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
Terbutryn	886-50-0	212-950-5	N: R50/53	1%w/w

## 3. HAZARDS IDENTIFICATION

Physicochemical: Not classified

### Health:

#### General

**Ingestion** Low toxicity

**Eye contact** Unlikely to cause eye irritation

**Skin contact** Low toxicity, unlikely to cause skin irritation

**Inhalation** Unlikely to be harmful.

### Environmental:

**DANGEROUS FOR THE ENVIRONMENT.**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



## 4. FIRST AID MEASURES

**General information** Remove the affected person from the source of exposure to a well ventilated area and protect from excessive heat loss. In cases of suspected poisoning, immediately call a physician.

**Inhalation** Remove patient from source of exposure, keep warm and at rest.

**Skin contact** Remove contaminated clothing and thoroughly wash exposed areas with soap and water. Wash contaminated clothing before re-use.

**Eye contact** Flush eyes with clean water immediately for 15-20 minutes. If irritation persists seek medical attention.

**Ingestion** Rinse out mouth with water and seek medical advice immediately. Do not induce vomiting. Keep patient at rest. Show the label where possible.

**Poisoning Symptoms** Symptoms are slow in onset and may include diarrhoea, weakness, occasionally laboured breathing and convulsive movements.

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## 5. FIRE FIGHTING MEASURES

General hazard	The product is non-flammable.
Extinguishing media	Dry powder, foam, carbon dioxide (CO <sub>2</sub> ), or water spray
Extinguishing media to avoid	Water jet.
Special exposure hazards	Dangerous fumes may be given off in the presence of fire.
Protective equipment	Self-contained breathing apparatus and suitable protective clothing.
Further information	Prevent fire water run-off from seeping into ground, contaminating watercourses or spreading uncontrollably.

## 6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Wear protective clothing as detailed in section 8. Spillages should be cleared up immediately. Seep up carefully, do not raised clouds of dust and place into a labelled container for safe disposal (see also section 13). Contact local authority (Environmental Health Department), specialist disposal contractor or supplier for information on safe disposal.
Environmental considerations	Spillages of uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

## 7. HANDLING & STORAGE

Advice on safe handling	Read the full directions on the pack label before use. Wash hands and exposed skin before meals and after use.
Storage conditions	Keep only in the original container. Keep container tightly closed. Keep in a safe place.
Shelf life	At least 2 years.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no Occupational Exposure Limit values available.
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after use. <b>In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)</b>
Eye protection	Faceshield
Skin protection	Nitrile gloves
Respiratory protection	Dust mask (e.g. if ventilation is insufficient)
Other protection	Protective overall and rubber boots.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Granules
Colour	Beige / brown.
Odour	Not available
pH	Not available
Boiling pt / range	Not applicable
Flash point	Not available
Flammability	Non-flammable
Bulk density	0.5g/l
Water solubility	Soluble
Additional information	None

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<b>10. STABILITY &amp; REACTIVITY</b>	
<b>Stability</b>	Chemically stable under standard conditions.
<b>Conditions to avoid</b>	None known.
<b>Material to avoid</b>	None known.
<b>Hazardous reactions</b>	None known.
<b>Hazardous decomposition products</b>	Dangerous fumes may be given off in the presence of fire.
<b>Further information</b>	None.

<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>Acute toxicity</b>	Acute Oral LD <sub>50</sub> >10,000mg/kg Rat Acute Dermal LD <sub>50</sub> >2150mg/kg Rat
<b>Skin</b>	Rabbit: Non-irritating Guinea pig: Non-sensitising
<b>Eyes</b>	Rabbit: Non-irritating
<b>Further information</b>	Human toxicology: No cases of human poisoning are known..

<b>12. ECOLOGICAL INFORMATION</b>				
<b>Acute toxicity</b>	LC <sub>50</sub> (96hr)	Blue gill / Carp / Perch	4.0mg/l	Active ingredient - Terbutryn
	LC <sub>50</sub> (96hr)	Trout	3.0mg/l	Active ingredient – Terbutryn
	EC <sub>50</sub> (48hr)	Daphnia	2.66mg/l	Active ingredient – Terbutryn
	Bees	Non toxic		Active ingredient – Terbutryn
	Birds LD <sub>50</sub>	Non toxic		Active ingredient - Terbutryn
<b>Further information</b>	<p>The maximum concentration of active ingredient in the water must not exceed 0.1ppm or such lower concentration as the appropriate water regulatory body may require.</p> <p>If the water body to be treated with Clarosan is subject to the Water Resources Act 1991, and the Control of Pollution Act 1974, users must consult the appropriate water regulatory body (Environment Agency / Scottish Environment Protection Agency) and must obtain their agreement before using the product.</p> <p>Do not use treated water for irrigation purposes within 7 days of treatment. Do not dump surplus algicide in water or ditch bottoms.</p>			

<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>User</b>	This material and its container must be disposed of as hazardous waste.
<b>Surplus bulk product / spillage</b>	In accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations) or incineration, after consultation with the operator.

<b>14. TRANSPORT INFORMATION</b>	
<b>United Nations number</b>	3077
<b>Proper shipping name</b>	Environmentally Hazardous Substance, solid NOS (Terbutryn)
<b>Class</b>	9
<b>Packing group</b>	III
<b>ADR item no.</b>	12 (c)
<b>Marine pollutant</b>	No
<b>IMDG</b>	Free

## 15. REGULATORY INFORMATION

## Classification &amp; labelling

Dangerous for the environment.

This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.

To avoid risks to man and the environment, comply with the instructions for use.



**DANGEROUS FOR  
THE ENVIRONMENT**

## Current registration no.

HSE 7692

## Previous registration no.

MAFF 09394, 08396, 03859

## Risk phrases

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases / precautions  
(from the label)

Keep only in the original container.

Keep container tightly closed.

Keep in a safe place.

WASH HANDS AND EXPOSED SKIN before meals and after use.

DO NOT USE TREATED WATER for irrigation purposes within 7 days of treatment.

DO NOT DUMP surplus algicide in water or ditch bottoms.

This material and its container must be disposed of as hazardous waste.

## 16. OTHER INFORMATION

## Further information

The Control of Substances Hazardous to Health Regulations (COSHH) may be applicable to the use of this product.

**Risk phrases referred to in section 2 for composite ingredients.**

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre:

UK National number: 0870 600 6266

Eire (Dublin) 00 3531 8379964 or 00 3531 8379966

## Sources of data

EH40/2002 and other suppliers' safety data sheets

## Date of issue

March 2004

The information on this sheet is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product.

It is not applicable to unusual or non standard uses of the product nor where instructions or recommendations are not followed.