

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

Terralin protect

No Change Service!

Version 02.01

Revision Date 23.01.2008

Print Date 01.12.2008

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

Product information

Trade name : Terralin protect
Producer/Supplier : Schülke & Mayr GmbH
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22851 Norderstedt
Germany
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pab@schuelke.com

Emergency telephone : +49 (0)40 / 52 100 –0

Application : Disinfectants, Biocidal product type: 2

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

C Corrosive
R22 Harmful if swallowed.
R34 Causes burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : (Preparation)
Solution of the following substances with harmless additives.

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
Benzyl-C12-18-alkyldimethylammonium, chlorides	68391-01-5	269-919-4	C, N	R21/22, R34, R50	22 %
2-Phenoxyethanol	122-99-6	204-589-7	Xn	R22, R36	10 - 20 %
Tridecylpolyethylen glycolether	69011-36-5		Xi	R41	5 - 15 %
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	3 - 8 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

Terralin protect**No Change Service!**

Version 02.01

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4. FIRST AID MEASURES

- | | | |
|----------------|---|---|
| General advice | : | Take off all contaminated clothing immediately. |
| Eye contact | : | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| Skin contact | : | Wash off immediately with plenty of water for at least 15 minutes. |
| Inhalation | : | Move the victim to fresh air and keep him calm. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| Ingestion | : | Do NOT induce vomiting. Rinse mouth with water. Give small amounts of water to drink. Obtain medical attention. |

5. FIRE-FIGHTING MEASURES

- | | | |
|--|---|--|
| Special protective equipment for fire-fighters | : | No special precautions required. |
| Suitable extinguishing media | : | Water, Dry powder, Foam, Carbon dioxide (CO ₂) |
| Extinguishing media which shall not be used for safety reasons | : | No information available. |
| Specific risk from the substance or the product itself, its combustion products or evolved gases | : | No special risks to be expected. |

6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---------------------------|---|--|
| Personal precautions | : | Increased risk of slipping in the presence of leaked / spilled product. |
| Environmental precautions | : | Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. |
| Methods for cleaning up | : | Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). |

7. HANDLING AND STORAGE**Handling**

- | | | |
|---|---|--|
| Safe handling advice | : | Prepare the working solution as given on the label(s) and/or the user instructions. Avoid exceeding of the given occupational exposure limits (see section 8). Wear personal protective equipment. Avoid formation of aerosol. |
| Advice on protection against fire and explosion | : | The hot product gives off combustible vapours. |

Storage

- | | | |
|---|---|---|
| Requirements for storage areas and containers | : | Store at room temperature in the original container. |
| Further information | : | Keep away from heat. Keep away from direct sunlight. Keep container tightly closed. |

Terralin protect**No Change Service!**

Version 02.01

Revision Date 23.01.2008

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Advice on common storage : Keep away from food and drink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value	Basis
Propan-2-ol	67-63-0	AGW: 500 mg/m ³ AGW: 200 ppm	TRGS 900
2-Phenoxyethanol	122-99-6	AGW: 110 mg/m ³ AGW: 20 ppm	TRGS 900

Personal protective equipment

Respiratory protection : If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time. Respiratory protection complying with EN 141. Recommended Filter type: A

Hand protection : Splash protection: disposable nitrile rubber gloves e.g. Dermatril (Layer thickness: 0,11 mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., Layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., Layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

Eye protection : Tightly fitting safety goggles

Hygiene measures : Keep away from food and drink.

Protective measures : Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**


Form : liquid
Colour : green
Odour : pleasant

Other data

solidification range : < -5 °C

initial boiling point : ca. 90 °C

Flash point : 51 °C
Method: DIN 51755 Part 1

 Flammability : Does not sustain combustion.

Density : ca. 1,0 g/cm³ at 20 °C

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Water solubility : at 20 °C
in all proportions

pH : ca.8,6 at 1.000 g/l (20 °C)

Viscosity, dynamic : ca.21 mPa*s at 20 °C
Method: ISO 3219

10. STABILITY AND REACTIVITY

Hazardous reactions : None reasonably foreseeable.

Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Further information : No data is available on the product itself. The classification was made according to the calculation procedure of the Preparations Directive.

12. ECOLOGICAL INFORMATION

Biodegradability : Readily biodegradable.
Method: OECD 301D / EEC 84/449 C6

Toxicity to daphnia : EC50 Daphnia magna (Water flea) 0,18 mg/l
Testing period: 48 h
Method: OECD Test Guideline 202
GLP: yes
Analytical monitoring: yes

Chemical Oxygen Demand (COD) : ca. 13640 mg/l
Test substance: 1% solution

Further information : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

13. DISPOSAL CONSIDERATIONS

Product : Dispose of the product according to the defined EWC (European Waste Code) No.

Terralin protect**No Change Service!**

Version 02.01

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Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : **EWC 070601**

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

14. TRANSPORT INFORMATION

ADR : UN-Number 1903



Class 8
 Classification Code C9
 Packaging group III
 ADR/RID-Labels 8 + 11
 ICAO-Labels 80
 Description of the goods DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
 (Benzyl-C12-18-alkyldimethylammonium, chlorides)

IMDG : UN-Number 1903



Class 8
 EmS F-A, S-B
 Packaging group III
 Marine pollutant --
 Description of the goods DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
 (BENZYL-C12-18-ALKYLDIMETHYLAMMONIUM, CHLORIDES)

IATA : UN-Number 1903



Class 8
 Packaging group III
 Description of the goods Disinfectant, liquid, corrosive, n.o.s. (Benzyl-C12-18-alkyldimethylammonium, chlorides)

Further information : Not classified as supporting combustion according to the transport regulations.

Terralin protect**No Change Service!**

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15. REGULATORY INFORMATION

Hazardous components:

- Benzyl-C12-18-alkyldimethylammonium, chlorides

General advice : The product is classified and labelled in accordance with EC directives or respective national laws.

Symbol :



C
Corrosive

R-phrases(s) : R22 Harmful if swallowed.
R34 Causes burns.

S-phrases(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 This material and its container must be disposed of in a safe way.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Special labelling of certain preparations : Labelling according to Regulation (EC) No. 648/2004.; 5 - 15 % non-ionic surfactants, perfumes

Further information : The product is classified in accordance with Annex VI (2.2.5) to Directive 67/548/EEC.

Further information : Use biocides safely. Always read the label and product information before use.

National legislation

VOC-Content : 22 %
Directive 1999/13 /EC on the limitation of emissions of volatile organic compounds

VOC-Content : 0,05 kg/kg
Switzerland. VOC Ordinance, Annex II (Products)

Switzerland : Registration number: CHZN0073

16. OTHER INFORMATION

Application : Information on uses can be found in a separate preparation / product brochure.

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Terralin protect

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Text of R-phrases mentioned in Section 2

R11	Highly flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.

Other information

Caution! All information concerns the concentrated product!

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.



Changes compared with the previous edition!!!