

MATERIAL SAFETY DATA SHEET

Protectosil® AQUA-TRETE® EM

degussa.

Material no.		Version	2.2 / US
Specification	142396	Revision date	03/15/2006
Order Number		Print Date	03/16/2006
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Protectosil® AQUA-TRETE® EM
Company : Degussa Corporation
379 Interpace Parkway
Parsippany, NJ 07054
USA

Telephone : 973-541-8000

Telefax : 973-541-8040

US: CHEMTREC EMERGENCY NUMBER : 800-424-9300

CANADA: CANUTEC EMERGENCY NUMBER : 613-996-6666

Product Regulatory Services : 973-541-8060

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on ingredients / Hazardous components

NJTSR No.56705700001-5361P
CAS-No. Trade Secret Percent (Wt./ Wt.) 9.5 %

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***

Form-liquid Color-white Odor-odorless

Irritating to eyes, respiratory system and skin.

POTENTIAL HEALTH EFFECTS

Eye contact

Irritating.

Skin Contact

Moderately irritating.

Inhalation

Severely irritating.

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Ingestion

The hazards of this material have not been fully investigated; ingestion may be hazardous.

Chronic Health Hazard

This product can hydrolyze to form a material posing additional health effects:

Ethanol: ACGIH TLV: TWA 1000 ppm; OSHA PEL: TWA 1000 ppm. Liquid and high vapor concentrations cause eye irritation. Contact of liquid with skin causes drying, cracking, and irritation. Inhalation causes irritation of the respiratory tract. Repeated or prolonged exposure to high vapor concentrations may cause drowsiness. Excessive or repeated ingestion may cause central nervous system effects, liver effects and reproductive effects. However, ingestion is not an expected route of exposure. Ethanol has a low potential to cause allergic skin reactions; however, undocumented cases of human skin sensitization have been reported.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Skin contact

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

Ingestion

Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal.

If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash point	93.33 °C , 200 °F Method: Pensky-Martens C.C.
Lower explosion limit	not determined
Upper explosion limit	not determined
Autoignition temperature	not determined

Suitable extinguishing media

Use water spray or fog, foam, dry chemical or CO2.

Specific hazards during fire fighting

Can burn in fire forming carbon dioxide and some carbon monoxide.

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Special protective equipment for fire-fighters

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure sufficient ventilation.
Wear personal protective equipment; see section 8.

Environmental precautions

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Methods for cleaning up

Absorb spill with inert material, then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Do not breathe vapours or spray mist.
Wash thoroughly after handling.
Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

• Ethanol

CAS-No.	64-17-5
Control parameters	1000 ppm
	1000 ppm
	1900 mg/m ³
	1000 ppm
	1900 mg/m ³

Time Weighted Average (TWA):(ACGIH)
PEL:(OSHA Z1)

Time Weighted Average (TWA)
Permissible Exposure Limit (PEL):(US CA
OEL)

Engineering measures

Provide adequate ventilation.

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Personal protective equipment**Respiratory protection**

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hand protection

Use impermeable gloves.

Eye protection

Use chemical splash goggles or face shield.

Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Color	white
Odor	odorless

Safety data

pH	not applicable
Boiling point/range	100 °C
Flash point	93.33 °C Method: Pensky-Martens C.C.
Autoignition temperature:	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapor pressure	not determined
Relative density	0.98
Water solubility	miscible
Relative vapor density	Heavier than air
Solvents and Volatiles Data	% VOC (gm/l) 300

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10. STABILITY AND REACTIVITY

Materials to avoid Incompatible substances:, acids, strong bases, oxidizing agents, alkalis.

Hazardous decomposition products Silicon dioxide.

Further information This product is stable under normal storage conditions.
Product will not undergo hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

Component Acute oral toxicity NJTSR No.56705700001-5361P
Trade Secret
LD50 rat: > 4400 mg/kg

12. ECOLOGICAL INFORMATION

General Ecological Information No ecotoxicological studies are available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Advice on disposal Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

14. TRANSPORT INFORMATION

Transport/further information

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Information on ingredients / Non-hazardous components

This product contains the following non-hazardous components

Water			
CAS-No.	7732-18-5	Percent (Wt./ Wt.)	90 %

US Federal Regulations

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OSHA

If listed below, chemical specific standards apply to the product or components:

- None listed

Clean Air Act Section (112)

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- None listed

CERCLA Reportable Quantities

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- None listed

SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard

SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed

Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

State Regulations

The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this MSDS.

California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

- None listed

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International Chemical Inventory Status

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact Degussa Corporation Product Regulatory Department:

• Europe (EINECS/ELINCS)	Not listed/Not registered
• USA (TSCA)	Listed/registered
• Canada (DSL)	Not listed/Not registered
• Australia (AICS)	Not listed/Not registered
• Japan (MITI)	Not listed/Not registered
• Korea (TCCL)	Not listed/Not registered
• Philippines (PICCS)	Not listed/Not registered
• China	Not listed/Not registered

16. OTHER INFORMATION

HMIS Ratings

Health :	2
Flammability :	0
Physical Hazard :	0

NFPA Ratings

Health :	2
Flammability :	0
Reactivity :	0

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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