1. Identification

1.1. Product identifier

Trade name: Protectosil® AQUA-TRETE EM
Chemical Name: Protectosil® AQUA-TRETE EM

1.2. Recommended use of the chemical and restrictions on use

Relevant applications identified: For industrial use

1.3. Details of the supplier of the safety data sheet

Company: Evonik Corporation
299 Jefferson Road
Parsippany, NJ 07054-0677
USA

Telephone: 973-929-8000
Telefax: 973-929-8040
Email address: Product-Regulatory-Services@evonik.com

1.4. 24 HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC - US & CANADA: 800-424-9300

CHEMTREC MEXICO: 01-800-681-9531

CHEMTREC INTERNATIONAL: +1 703-527-3887 (collect calls accepted)

Product Regulatory Services: 973-929-8060

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 29CFR 1910.1200
Remarks: Not a hazardous substance or mixture.

2.2. Label elements

Statutory basis: Classification according to Regulation 29CFR 1910.1200
Remarks: Not a hazardous substance or mixture.

Supplemental hazard information / Label elements

2.3. Other hazards

3. Composition / information on ingredients
Other information
This material is classified as not hazardous under OSHA regulations.

4. First aid measures

4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
None known

Hazards
None known

4.3. Indication of any immediate medical attention and special treatment needed
None known.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use water spray or fog, foam, dry chemical or CO2.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture
Can burn in fire forming carbon dioxide and some carbon monoxide.

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

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Assure sufficient ventilation. Wear personal protective equipment; see section 8.

6.2. Environmental precautions
Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.
6.3. Methods and material for containment and cleaning up
Absorb spill with inert material, then place in a chemical waste container.

7. Handling and storage

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

7.2. Conditions for safe storage, including any incompatibilities
Storage
Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection

8.1. Control parameters
Other information
Contains no substances with occupational exposure limit values.

8.2. Exposure controls
Engineering measures
Provide adequate ventilation.

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

9.1. Information on basic physical and chemical properties
Physical state: liquid
Color: white
Form: liquid
Odor: odorless

Odor Threshold: not determined
pH: not applicable
Melting point/range: no data available
SAFETY DATA SHEET
Protectosil® AQUA-TRETE EM

Boiling point/range 100 °C
Flash point 93.33 °C
Method: Pensky-Martens C.C.
Evaporation rate not determined
Flammability (solid, gas) no data available
Lower explosion limit not determined
Upper explosion limit not determined
Vapor pressure not determined
Relative vapor density Heavier than air
Relative density 0.98
Water solubility miscible
Partition coefficient: n-octanol/water not determined
Autoignition temperature not determined
Thermal decomposition not determined
Viscosity, dynamic no data available

9.2. Other information
% VOC (gm/l) 90

10. Stability and reactivity
10.1. Reactivity
No dangerous reaction known under conditions of normal use.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid
Keep away from heat and sources of ignition.

10.5. Incompatible materials
Incompatible substances: Acids, strong bases, oxidizing agents, alkalis.

10.6. Hazardous decomposition products
Silicon dioxide.

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

11.1. Information on toxicological effects

Carcinogenicity assessment: Contains ethylbenzene which is classified as an IARC 2B carcinogen (possible carcinogenic to humans).

Further information: No results of animal experiments with the product available.

12. Ecological information

12.1. Toxicity

Toxicity to fish: no data available

12.2. Persistence and degradability

Biodegradability: no data available

12.3. Bioaccumulative potential

Bioaccumulation: no data available

12.4. Mobility in soil

Mobility: no data available

12.5. Other adverse effects

Further Information: No ecotoxicological studies are available.

13. Disposal considerations

13.1. Waste treatment methods

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

Uncleaned packaging
Packaging, that cannot be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

14. Transport information

Not dangerous according to transport regulations.

14.1. UN number: --
14.2. UN proper shipping name: --
14.3. Transport hazard class(es): --
14.4. Packing group: --
14.5. Environmental hazards (Marine pollutant): --
14.6. Special precautions for user: Yes
Not dangerous according to transport regulations.

15. Regulatory information

US Federal Regulations

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:

- No SARA Hazards

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

An employer using HMIS/NFPA labeling must through training ensure that its employees are fully aware of the hazards of the chemicals used.

HMIS Ratings

<table>
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<td>Flammability</td>
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<td>Physical Hazard</td>
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NFPA Ratings

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16. Other information

Further information

Revision date 05/01/2015

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

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### SAFETY DATA SHEET

**Protectosil® AQUA-TRETE EM**

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**Legend**

- **ACC**: American Chemistry Council
- **ACGIH**: American Conference of Governmental Industrial Hygienists
- **ACS**: Advisory Committee on Sustainability
- **ADI**: Acceptable Daily Intake
- **ASTM**: American Society for Testing and Materials
- **ATP**: Adaptation to Technical Progress
- **BCF**: Bioconcentration factor
- **BOD**: Biochemical oxygen demand
- **c.c.**: closed cup
- **CAO**: Cargo Aircraft Only
- **Carc**: Carcinogen
- **CAS**: Chemical Abstract Services
- **CDN**: Canada
- **CEPA**: Canadian Environmental Protection Act
- **CERCLA**: Comprehensive Environmental Response – Compensation and Liability Act
- **CFR**: Code of Federal Regulations
- **CMR**: carcinogenic - mutagenic-toxic for reproduction
- **COD**: Chemical oxygen demand
- **DIN**: German Institute for Standardization
- **DM EL**: Derived minimum effect level
- **DNEL**: Derived no effect level
- **DOT**: Department of Transportation
- **EC50**: half maximal effective concentration
- **EPA**: Environmental Protection Agency
- **ErC50**: Reduction of Growth Rate
- **ERG**: Emergency Response Guide Book
- **FDA**: Food and Drug Administration
- **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
- **GLP**: Good Laboratory Practice
- **GMO**: Genetic Modified Organism
- **HCS**: Hazard Communication Standard
- **HMIS**: Hazardous Materials Identification System
- **IARC**: International Agency for Research on Cancer
- **IATA**: International Air Transport Association
- **IBC**: Intermediate Bulk Container
- **ICAO-TI**: International Civil Aviation Organization- Technical Instructions
- **ICCA**: International Council of Chemical Association
- **ID**: Identification number
- **IMDG**: International Maritime Dangerous Goods
- **IUPAC**: International Union of Pure and Applied Chemistry
- **ISO**: International Organization for Standardization
- **LC50**: 50% Lethal Concentration
- **LD50**: 50% Lethal Dose
- **L(E)C50**: LC50 or EC50
- **LOA EL**: Lowest observed adverse effect level
- **LOEL**: Lowest observed effect level
- **MARPOL**: International Convention for the Prevention of Pollution from Ships
- **NFPA**: National Fire Protection Association
- **NOAEL**: No observed adverse effect level
- **NOEC**: no observed effect concentration
- **NOEL**: no observed effect level
- **o.c.**: open cup
- **OECD**: Organization for Economic Cooperation and Development
- **OEL**: Occupational Exposure Limit
- **OSHA**: Occupational Safety and Health Administration
- **PBT**: Persistent, bioaccumulative, toxic
- **PEC**: Predicted effect concentration
- **PNEC**: Predicted no effect concentration
- **RQ**: Reportable Quantity
- **SDS**: Safety Data Sheet
- **STOT**: Specific Target Organ Toxicity
- **UN**: United Nations
- **vPvB**: very persistent, very bioaccumulative

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**VOC**

volatile organic compounds

**WHMIS**

Workplace Hazardous Materials Information System

**WHO**

World Health Organization