Protectosil Aqua-trete EM
by Evonik Corporation

HPD UNIQUE IDENTIFIER: 20338
CLASSIFICATION: 071900 Water Repellents

PRODUCT DESCRIPTION: A penetrating, waterborne, vapor-permeable water repellent for use on concrete, brick, concrete masonry units and some natural stones. A ready-to-use, low-VOC, silane/siloxane emulsion. Reduces the ingress of water and waterborne contaminants into the substrate and thereby prevents premature deterioration. Penetrates the substrate and chemically bonds with silica to form permanent attachment of water repellent molecule. Protectosil AQUA-TRETE EM water repellent is especially suited for applications where solvent-borne products are not acceptable, such as states that have VOC regulations for AIM coatings. Protectosil AQUA-TRETE EM is VOC compliant in all 50 states, including California’s SCAQMD. By reducing the ingress of water and waterborne contaminants into the substrate, Protectosil AQUA-TRETE EM reduces such problems as efflorescence, leaching, acid rain deterioration, scaling, dirt buildup, staining, corrosion of reinforcing steel and mildew. Treated surfaces are fully breathable because their natural moisture-vapor transmission is not affected. This will reduce problems that entrapped moisture can cause, including blushing of the sealer and freeze-thaw damage to the masonry.

Section 1: Summary

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:
Characterized: Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened: Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with results disclosed.

Identified: Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and Identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
PROTECTOSIL AQUA-TRETE EM [WATER BM-4 POLYSILOXANE NoGS]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 90
Regulatory (g/l): 90
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.


CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2

Third Party Verified? PREPARER: Self-Prepared SCREENING DATE: 2020-06-08
This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

<table>
<thead>
<tr>
<th>PROTECTOSIL AQUA-TRETE EM</th>
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</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong> 100 ppm</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED:</strong> Yes</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong> Conduct an FTIR on formulated product to test for residuals and impurities.</td>
</tr>
<tr>
<td><strong>OTHER PRODUCT NOTES:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-06-08</td>
</tr>
<tr>
<td><strong>%:</strong> 90.0000 - 95.0000</td>
</tr>
<tr>
<td><strong>GS:</strong> BM-4</td>
</tr>
<tr>
<td><strong>RC:</strong> None</td>
</tr>
<tr>
<td><strong>NANO:</strong> No</td>
</tr>
<tr>
<td><strong>SUBSTANCE ROLE:</strong> Solvent</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
</tr>
<tr>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
</tr>
<tr>
<td>None found</td>
</tr>
<tr>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES: |

<table>
<thead>
<tr>
<th>POLYSILOXANE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ID:</strong> 9011-19-2</td>
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<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-06-08</td>
</tr>
<tr>
<td><strong>%:</strong> 6.0000 - 10.0000</td>
</tr>
<tr>
<td><strong>GS:</strong> NoGS</td>
</tr>
<tr>
<td><strong>RC:</strong> None</td>
</tr>
<tr>
<td><strong>NANO:</strong> No</td>
</tr>
<tr>
<td><strong>SUBSTANCE ROLE:</strong> Water resistance</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
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| SUBSTANCE NOTES: |
Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

### VOC EMISSIONS

**SCAQMD Rule 1113 Architectural Coatings** - Fire Proofing Exterior Coatings, Fire Retardant Coatings, Graphic Arts (Sign) Coatings, High Temperature IM Coatings, Japans/Faux Finishing Coatings, Magnesite Cement Coatings, Roof Primers (Bituminous), Shellac, S

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** All  
**CERTIFICATE URL:**  
**ISSUE DATE:** 2015-02-01  
**EXPIRY DATE:**  
**CERTIFIER OR LAB:** Internal

**CERTIFICATION AND COMPLIANCE NOTES:**

### VOC CONTENT

**ASTM D5095**

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** Protectosil AQUA-TRETE EM is VOC compliant in all 50 states, including California's SCAQMD  
**CERTIFICATE URL:**  
**ISSUE DATE:** 2007-01-01  
**EXPIRY DATE:**  
**CERTIFIER OR LAB:** Internal

**CERTIFICATION AND COMPLIANCE NOTES:**

### MANAGEMENT

**ISO 14001:2004 Environmental management systems**

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** All  
**CERTIFICATE URL:** https://extraction.evonik.com/product/extraction/en/frequently-asked-questions/downloads/certifications/general-certifications/  
**ISSUE DATE:** 2018-02-15  
**EXPIRY DATE:** 2021-02-14  
**CERTIFIER OR LAB:** ISO

**CERTIFICATION AND COMPLIANCE NOTES:**

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

No general notes to add at this time.
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Evonik Corporation
ADDRESS: 2 Turner Place
Piscataway NJ 08854, USA
WEBSITE: www.protectosil.com

CONTACT NAME: Maxwell McCarthy
TITLE: Scientist
PHONE: 732-518-5113
EMAIL: maxwell.mccarthy@evonik.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.

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