CLASSIFICATION: 07 19 00

PRODUCT DESCRIPTION: A clear, penetrating, breathable water repellent for use on exterior above-grade concrete, brick masonry, concrete masonry units and some natural stones. Penetrates the surface and bonds chemically to the substrate, resulting in permanent attachment of the water repellent molecule. Protectosil CHEM-TRETE 40VOC is not a coating and as a result will not discolor or change the surface appearance in any way.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold Disclosed Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>Material</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Product</td>
</tr>
</tbody>
</table>

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- 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 CHEM-TRETE 40 VOC | ISOBUTYLTRIALKOXYSILANE LT-UNK | ETHANOL BM-2 | CAN | PHY | END | REP | DEL |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 590
Regulatory (g/l): 590
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
No Inventory or Screening Notes at this time.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

VOC emissions: ASTM D5095
VOC content: Self Declared

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #: 
SCREENING DATE: 2019-12-27
PUBLISHED DATE: 2020-05-04
EXPIRY DATE: 2022-12-27
Section 2: Content in Descending Order of Quantity

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

**PROTECTOSIL CHEM-TRETE 40 VOC**

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** FTIR is used in the quality control process to check for residual compounds in this product.

**ISOBUTYLTRIALKOXYISILANE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-12-27

<table>
<thead>
<tr>
<th>%: 48.00 - 58.00</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Waterproofing Agent</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:**

**ETHANOL**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-12-27

<table>
<thead>
<tr>
<th>%: 42.00 - 50.00</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Solvent/Carrier</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**CANCER**  
IARC  
Group 1 - Agent is Carcinogenic to humans

**CANCER**  
CA EPA - Prop 65  
Carcinogen - specific to chemical form or exposure route

**PHYSICAL HAZARD (REACTIVE)**  
EU - GHS (H-Statements)  
H225 - Highly flammable liquid and vapour

**ENDOCRINE**  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

**CANCER**  
MAK  
Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels

**CANCER**  
GHS - Japan  
Carcinogenicity - Category 1A [H350]

**REPRODUCTIVE**  
GHS - Japan  
Toxic to reproduction - Category 1A [H360]

**DEVELOPMENTAL**  
CA EPA - Prop 65  
Developmental - specific to chemical form or exposure route
## 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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
<th>ISSUE DATE:</th>
<th>2005-01-01</th>
<th>EXPIRY DATE:</th>
<th>Evonik Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
<td>CERTIFICATE URL:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

### VOC CONTENT

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
### MANUFACTURER INFORMATION

**MANUFACTURER:** Evonik Corporation  
**ADDRESS:** 2 Turner Pl  
**Piscataway NJ 08854, USA**  
**WEBSITE:** protectosil.com  
**CONTACT NAME:** Maxwell McCarthy  
**TITLE:** Scientist  
**PHONE:** 7329815113  
**EMAIL:** maxwell.mccarthy@evonik.com

### KEY

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU</td>
<td>Aquatic toxicity</td>
</tr>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**GreenScreen (GS)**
- **BM-4** Benchmark 4 (prefer-safer chemical)  
- **BM-3** Benchmark 3 (use but still opportunity for improvement)  
- **BM-2** Benchmark 2 (use but search for safer substitutes)  
- **BM-1** Benchmark 1 (avoid - chemical of high concern)  
- **BM-U** Benchmark Unspecified (insufficient data to benchmark)

**Recycled Types**
- **PreC** Preconsumer (Post-Industrial)  
- **PostC** Postconsumer  
- **Both** Both Preconsumer and Postconsumer  
- **Unk** Inclusion of recycled content is unknown  
- **None** Does not include recycled content

**Other Terms**
- **Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
- **Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
- **Basic Method / Product Threshold** Substances listed individually per threshold indicated per product  
- **Nano** Composed of nano scale particles or nanotechnology  
- **Third Party Verified** Verification by independent certifier approved by HPDC  
- **Preparer** Third party preparer, if not self-prepared by manufacturer  
- **Applicable facilities** Manufacturing sites to which testing applies

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*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.*