A clear, penetrating, breathable water repellent for use on exterior above-grade concrete masonry units, brick masonry and most natural stones. Provides resistance against water, alkali attack, acid rain and waterborne staining. Penetrates into the substrate and chemically bonds with silica to form a permanent attachment of the water repellent molecule. Protectosil CHEM-TRETE PB 100 is especially suited for making porous substrates such as split-face block water repellent. This water repellent effect stands up against wind-driven rain.
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 PB 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.

OTHER PRODUCT NOTES:

ALCOHOL

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-06-23

%: 55.0000 - 62.0000

GS: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

HAZARD TYPES

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

SUBSTANCE NOTES:

ALKYLTRIALKOXYSILANE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-06-23

%: 40.0000 - 45.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Water resistance

SUBSTANCE NOTES:
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** CAS RN# not disclosed, alkyltrialkoxysilane, active material.

**UNDisclosed**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-23

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 1.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Catalyst</td>
</tr>
</tbody>
</table>

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
|-----------------|---------------------------|----------------|
None found       |                           | No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Catalyst used in material, undisclosed CAS# (proprietary)
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>EPA Method 24 - Volatile Matter Content (EPA 24)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES:

<table>
<thead>
<tr>
<th>VOC CONTENT</th>
<th>ASTM D5095</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</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

No notes for this product at this time.
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.