Name: Protectosil BHN

Product ID: www.protectosil.com

Website: www.protectosil.com

Manufacturer: Evonik Corporation
Address: 2 Turner Place
Piscataway, NJ 08854

Contact Name: Daniela Valles
Title: Scientist
Phone: 7329815031
Email: daniela.valles@evonik.com

Description:
A clear, penetrating, breathable VOC-compliant surface treatment for use on concrete. The unique 100% silane treatment (no solvent) penetrates the substrate and chemically bonds with silica to form a permanent attachment of the water repellent molecule. Creates a deep hydrophobic layer that prevents water and waterborne contaminants from entering the substrate and causing premature deterioration. By combining low surface tension with a tailored rate of reaction, Protectosil BHN is able to move through the moisture layer that lines the pore structure of the substrate. This permits the development of uniform gradient permeation- a consistent level of protection throughout the entire depth of penetration- allowing for longer treatment life, especially on wearing surfaces.

Release Date: 2016-09-23
Expiry Date: 2019-09-23

SUMMARY DISCLOSURE
The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure
☐ Measured 100 ppm (ideal)
☐ Measured 1000 ppm
☐ Predicted by process chemistry
☐ As per MSDS (1,000 & 10,000 ppm)
☐ Not disclosed
☐ Other

Full Disclosure of Intentional Ingredients
☐ Yes
☐ No

Full Disclosure of Known Hazards
☐ Yes
☐ No

Disclosure Notes
Disclosure of residual could allow for competitors to back engineer what the main ingredient of our product is.

Contents in Descending Order of Quantity
Undisclosed (Alkyltrialkoxysilane)

Hazards
☐ PBT (Persistent Bioaccumulative Toxic)
☐ Cancer
☐ Gene Mutation
☐ Development
☐ Reproductive
☐ Endocrine
☐ Respiratory

Highest concern GreenScreen score - unknown
☐ Neurotoxicity
☐ Mammal
☐ Skin or Eye
☐ Aquatic toxicity
☐ Land toxicity
☐ Physical hazard
☐ Global warming
☐ Ozone depletion
☐ Multiple
☐ Unknown

Total VOC Content
Material (g/L): 390.00
Regulatory (g/L): N/A

Does the product contain exempt VOCs?
☐ N/A
☐ Yes
☐ No

Are there VOC-free tints available?
☐ N/A
☐ Yes
☐ No

Notes
Certifications + Compliance
VOC Emissions: Not tested
VOC Content: Not tested
The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; RC: Recycled Content, PC: Post Consumer, PI: Post Industrial (Pre-consumer), BO: Both; Nano: comprised of nanoscale particles or nanotechnology

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS RN</th>
<th>% weight</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
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<tr>
<td>Hazard A</td>
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<td>Warning A</td>
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<tr>
<td>Hazard B</td>
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<td></td>
<td>Y</td>
<td>Warning B</td>
</tr>
<tr>
<td>Hazard C</td>
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<td>Warning C</td>
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<td>Hazard D</td>
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<td>Warning D</td>
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<tr>
<td>Hazard E</td>
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<td></td>
<td>U</td>
<td>Warning E</td>
</tr>
</tbody>
</table>

Notes

Undisclosed (Alkyltrialkoxyisilane) Unknown 60 - 100 % U Y Water Repellent

Unknown Not disclosed

This product contains the range of 60-100 % purity as to not allow for competitors to identify purity of product. There is no recycled content in this product.

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard or Certification</th>
<th>Certifier or Laboratory</th>
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<tr>
<td>VOC Emissions</td>
<td>N/A</td>
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<tr>
<td>VOC Content</td>
<td>Not tested</td>
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</table>
ACCESSORY MATERIALS
This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

<table>
<thead>
<tr>
<th>Required or Recommended Product</th>
<th>URL for Companion Health Product Declaration</th>
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<tbody>
<tr>
<td>Condition when required or recommended and/or other notes</td>
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NOTES