CLASSIFICATION: FIRESTopping SEALANT

PRODUCT DESCRIPTION: FLAMESAFE® FS 900+ SEALANT IS COST-EFFECTIVE, WATER-BASED AND CURS TO FORM A FLEXIBLE SHIELD AGAINST THE SPREAD OF FIRE AND SMOKE. IT IS AVAILABLE IN GRADE: CAULK-ABLE/TROWEL-ABLE (CG). FS 900+ DOES NOT CONTAIN SOLVENTS AND, AS A RESULT, IS NOT TOXIC AND WILL NOT DAMAGE PLASTIC PIPES OR CABLE JACKETS. FS 900+ CAN BE USED IN VARIOUS PENETRATIONS AND CONSTRUCTION/ARCHITECTURAL JOINT CONFIGURATIONS. EXAMPLES OF LISTED SYSTEMS INCLUDE METALLIC AND NON-METALLIC PIPES, CABLE AND HVAC PENETRATIONS, CONCRETE FLOOR-TO-FLOOR, FLOOR-TO-WALL AND WALL-TO-WALL APPLICATIONS, AS WELL AS FOR CONCRETE, CMU AND GYPSUM HEAD OF WALL APPLICATIONS REQUIRING DYNAMIC JOINT MOVEMENT. FS 900+ IS A VERSATILE, YET ECONOMICAL SOLUTION FOR A WIDE RANGE OF THROUGH-PENETRATION AND JOINT CONSTRUCTION CONDITIONS.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Threshold per material</th>
<th>Residuals and impurities considered in</th>
<th>Based on the selected Content Inventory Threshold:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 of 1 materials</td>
<td>Characterized:........................................</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yes ☑ No ☐</td>
</tr>
<tr>
<td></td>
<td>Material Notes</td>
<td>Are the Percent Weight and Role provided for all substances? Yes ☑ No ☐</td>
</tr>
<tr>
<td></td>
<td>General Notes</td>
<td>Are all substances screened using Priority Hazard Lists with results disclosed? Yes ☑ No ☐</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Are all substances disclosed by Name (Specific or Generic) and Identifier? Yes ☑ No ☐</td>
</tr>
</tbody>
</table>

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
--- | --- | --- | --- | ---
FLAMESAFE® FS 900+ | ALUMINUM OXIDE | UNK | ZINC BORATE | UNK |

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.
Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

<table>
<thead>
<tr>
<th>FLAMESAFE® FS 900+</th>
<th>%: 0.0000</th>
<th>HPD URL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory Threshold: Per OSHA MSDS</td>
<td>Residuals Considered: No</td>
<td></td>
</tr>
<tr>
<td>Material Notes:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ALUMINUM OXIDE</th>
<th>ID: 1344-28-1</th>
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</thead>
<tbody>
<tr>
<td>%: 10.0000 - 25.0000</td>
<td>GS: UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
</tr>
<tr>
<td></td>
<td>ROLE:</td>
</tr>
</tbody>
</table>

| HAZARDS: |
| AGENCY(IES) WITH WARNINGS: |
| None Found |
| No warnings found on HPD Priority lists |

| SUBSTANCE NOTES: |

<table>
<thead>
<tr>
<th>ZINC BORATE</th>
<th>ID: 1332-07-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.0000 - 10.0000</td>
<td>GS: UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
</tr>
<tr>
<td></td>
<td>ROLE:</td>
</tr>
</tbody>
</table>

| HAZARDS: |
| AGENCY(IES) WITH WARNINGS: |
| None Found |
| No warnings found on HPD Priority lists |

| 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.

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.

Section 5: General Notes
MANUFACTURER INFORMATION

MANUFACTURER: RectorSeal LLC
ADDRESS: 2601 Spenwick Drive
          Houston, TX 77055
          USA
WEBSITE: www.rectorseal.com

CONTACT NAME: Scott Kerns
TITLE: EHS Manager
PHONE: 713-263-8001 x3286
EMAIL: scott.kerns@rectorseal.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

Hazard Types

Aquatic toxicity Aquatic toxicity
Cancer Cancer
Developmental toxicity Developmental toxicity
Endocrine activity Endocrine activity
Eye irritation/corrosivity Eye irritation/corrosivity
Gene mutation Gene mutation

Global warming Global warming
Mammalian/systemic/organ toxicity Mammalian/systemic/organ toxicity
Neurotoxicity Neurotoxicity
Ozone depletion Ozone depletion
Persistent Bioaccumulative Toxic Persistent Bioaccumulative Toxic

Physical Hazard (reactive) Physical Hazard (reactive)
Reproductive toxicity Reproductive toxicity
Respiratory sensitization Respiratory sensitization
Skin sensitization/irritation/corrosivity Skin sensitization/irritation/corrosivity
Land Toxicity Land Toxicity
Not found on Priority Hazard Lists Not found on Priority Hazard Lists

GreenScreen (GS)

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

Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
UNK Unknown (no data on List Translator Lists)

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
Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer’s self-declaration (First Party)
Independent Lab Manufacturer’s self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
Applicable facilities Manufacturing sites to which testing applies

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a “Health Product Declaration,” or “HPD.” 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 Open Standard noted.