**CLASSIFICATION:** FIRESTOPPING SEALANT

**PRODUCT DESCRIPTION:** METACAULK®1000 IS A ONE COMPONENT, GENERAL PURPOSE FIRE RATED SEALANT AND SMOKE SEAL FOR CONSTRUCTION JOINTS AND THROUGH-PENETRATIONS. METACAULK® 1000 IS A WATER BASED, EXTREMELY INTUMESCENT, NON-SAG CAULKING GRADE SEALANT THAT IS EASY TO APPLY AS WELL AS TO RETROFIT. IT CURIES TO AN ELASTOMERIC SEAL THAT IS SUITABLE WHERE DYNAMIC MOVEMENT IS EXPECTED. IN THE EVENT OF A FIRE, METACAULK® 1000 WILL PREVENT THE SPREAD OF FLAMES, SMOKE, HOT GASES AND WATER THROUGH JOINT OPENINGS AND THROUGH-PENETRATIONS. NO DILUTION OR MIXING IS REQUIRED FOR USE. NO SPECIAL SKILLS ARE NECESSARY FOR INSTALLATION. METACAULK® 1000 IS APPLIED WITH A CONVENTIONAL CAULKING GUN, BULK LOADING GUN OR CAN BE TROWELED FROM THE PAIL. FOR LARGE APPLICATIONS, IT CAN BE PUMPED DIRECTLY FROM THE PAIL. METACAULK® 1000 SYSTEMS ARE RATED FOR 1, 2, 3 AND 4 HOURS IN ACCORDANCE WITH THE ASTM E814 (UL1479),UL 2079 AND ULC-S115-95 TEST STANDARDS.

### Section 1: Summary

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Threshold per material</th>
<th>Residuals and impurities considered in</th>
<th>Characterized ....................................................</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>0 of 1 materials</td>
<td>Are the Percent Weight and Role provided for all substances?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>see Section 2:</td>
<td>Screened .......................................................................</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Material Notes</td>
<td>Are all substances screened using Priority Hazard Lists with results disclosed?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td>General Notes</td>
<td>Identified .....................................................................</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>Are all substances disclosed by Name (Specific or Generic) and Identifier?</td>
<td></td>
<td></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**

| METACAULK ® 1000 FIRESTOPPING SEALANT | ACRYLATE POLYMER DISPERSION | UNK |
| CLAY | UNK | GRAPHITE | UNK |

**INVENTORY AND SCREENING NOTES:**

"This HPD was created with Basic Inventory."

**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.

| Self-Published* | VERIFIER: | SCREENING DATE: April 11, 2017 | EXPIRY DATE*: April 11, 2020 |
| Third Party Verified | VERIFICATION #: | RELEASE DATE: May 12, 2017 | * or within 3 months of significant change in product contents |

*See HPDC website for details
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>Material Notes:</th>
<th>ID:</th>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACRYLATE POLYMER DISPERSION</strong></td>
<td></td>
<td></td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>%: 40.0000 - 80.0000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td>None Found</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBSTANCE NOTES:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CLAY</strong></td>
<td></td>
<td></td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>%: 10.0000 - 40.0000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td>None Found</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBSTANCE NOTES:</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GRAPHITE</strong></td>
<td></td>
<td></td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>%: 1.0000 - 10.0000</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td>None Found</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
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</tr>
</tbody>
</table>

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

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation

GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity

OZO Ozone depletion
PHB Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAM Land Toxicity

NF 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 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)

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.