CLASSIFICATION: FIRESTOPPING SEALANT

PRODUCT DESCRIPTION: METACAULK® 835+ IS A ONE COMPONENT, FIRE-RATED ELASTOMERIC NEUTRAL, MOISTURE CURE SILICONE SEALANT FOR USE IN THROUGH-PENETRATION FIRESTOPS. AVAILABLE IN TWO GRADES CAULK GRADE AND SELF-LEVELING. IN THE EVENT OF A FIRE, METACAULK® 835+ WILL PREVENT THE SPREAD OF FLAMES, SMOKE, GAS AND WATER THROUGH PENETRATION OPENINGS. METACAULK® 835+ IS A FLEXIBLE, NON-SLUMPING SEALANT WITH EXCELLENT MOISTURE RESISTANCE. FOR USE IN INTERIOR OR EXTERIOR EXPANSION AND CONTROL JOINTS AND INTERIOR OR EXTERIOR PENETRATIONS. BECAUSE METACAULK® 835+ IS SILICONE BASED, IT CAN BE USED IN SYSTEMS WHERE DYNAMIC MOVEMENT IS EXPECTED.

Section 1: Summary

CONTENT INVENTORY

Threshold per material
- 100 ppm
- 1,000 ppm
Per GHS SDS
Per OSHA MSDS
Other

Residuals and impurities
considered in 0 of 1 materials
- see Section 2: Material Notes
- see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized
Are the Percent Weight and Role provided for all substances?
- Yes
- No

Screened
Are all substances screened using Priority Hazard Lists with results disclosed?
- Yes
- No

Identified
Are all substances disclosed by Name (Specific or Generic) and Identifier?
- Yes
- No

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® 835+ | CALCIUM CARBONATE | UNK | AMORPHOUS SILICA | UNK | KETOXIME | SILANE | UNK | CARBON BLACK | UNK | TITANIUM DIOXIDE | 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.

VERIFIER: SCREENING DATE: May 2, 2017
RELEASE DATE: May 12, 2017
EXPIRY DATE*: May 2, 2020
* or within 3 months of significant change in product contents

Self-Published* Third Party Verified
*See HPDC website for details
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</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>1317-65-3</td>
<td>15.0000 - 40.0000</td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>AMORPHOUS SILICA</td>
<td>7631-86-9</td>
<td>3.0000 - 7.0000</td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>KETOXIME SILANE</td>
<td>22984-54-9</td>
<td>3.0000 - 7.0000</td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>1317-65-3</td>
<td>0.1000 - 1.0000</td>
<td>UNK</td>
<td>None</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>
HAZARDS: None Found

AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.1000 - 1.0000 GS: UNK RC: None NANO: NO ROLE:

HAZARDS: None Found

AGENCY(IES) WITH WARNINGS: 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

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
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN 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 Unspec ed (insu cient 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.