

**HPD UNIQUE IDENTIFIER:** 86951438336

**CLASSIFICATION:** 07 84 13 Penetration Firestopping

**PRODUCT DESCRIPTION:** SpecSeal® Series SIL Silicone Firestop Sealant is a one-part, neutral-curing silicone sealant exhibiting superior performance in applications where sealing openings in walls and floors are needed to control the spread of fire, smoke, toxic gasses, and water during fire conditions. SpecSeal® Series SIL Silicone Firestop Sealant reacts with atmospheric moisture to form a high-strength, durable seal that will adhere to most building substrates without the use of primers. SpecSeal® products do not contain asbestos or PCBs. **BASIC USES:** SpecSeal® Series SIL Silicone Firestop Sealant is designed for use in firestop systems for through penetrations and joints. This product excels in applications where greater water resistance is required. Systems have been tested for Class 1 W Ratings per UL1479. SpecSeal® SIL Silicone Firestop Sealant is available in non-sag (SIL300) and self-leveling (SIL300SL) grades and may also be used to seal vertical and horizontal joints between metals, masonry, concrete and other common construction materials. SpecSeal® SIL Silicone Firestop Sealant is specially designed for use in static or dynamic joints. The low modulus characteristic minimizes strain on the substrate surface and the elastomeric quality allows excellent recovery from extension and compression cycling. **Applications:** SpecSeal® SIL Silicone Firestop Sealant is used to seal both through-penetration firestop systems and joint systems. Representative systems have been tested involving primarily non-combustible penetrants, electrical, data, or telephone cables, construction gaps, expansion joints, curtain wall safing applications, and top-of-wall joints. **Specifications:** The silicone firestop sealant shall be a one-part, neutral-cure meeting the requirements of ASTM C920. The firestop sealant shall be UL Certified and tested to ASTM E814 (UL1479), ASTM E1966 (UL2079), and CAN/ULC-S115. Class 1 W Ratings per UL1479 shall be available for a variety of different firestop systems. **Specified Divisions:** Division 7: 07 84 13 Penetration Firestopping, Division 7: 07 84 33 Joint Firestopping, Division 22: 22 00 00 Plumbing, Division 23: 23 00 00 HVAC, Division 26: 26 00 00 Electrical. **Performance:** SpecSeal® SIL Silicone Firestop Sealants are the basis for systems that meet the exacting criteria of ASTM E814 (UL 1479), ASTM E1966 (UL 2079), ASTM E1399, as well as the time-temperature requirements of ASTM E119 (UL 263). Firestop systems for both joint systems and through-penetration firestops have been tested with ratings up to 4 hours. See UL Systems for more specific information. Additionally, SpecSeal® SIL Silicone Firestop Sealant meets ASTM C920, "Standard Specification for Elastomeric Joint Sealants". For SIL300, the product is listed as Type S, Grade NS, Class 50, Use A, G, M, O. For SIL300SL, the product is listed as Type S, Grade P, Class 25, Use A, G, M, O. Finally, SIL300 (non-sag) has been evaluated by NSF Laboratories for inclusion in Lubrizol's FGG/BM/CZ CPVC System Compatible program.

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

| <b>Inventory Reporting Format</b>  | <b>Threshold Level</b>  | <b>Residuals/Impurities Evaluation</b>  | <i>For all contents above the threshold, the manufacturer has:</i>   |
|--|---|---|--|
| <input type="radio"/> Nested Materials Method<br><input checked="" type="radio"/> Basic Method | <input type="radio"/> 100 ppm<br><input checked="" type="radio"/> 1,000 ppm<br><input type="radio"/> Per GHS SDS<br><input type="radio"/> Other | <input checked="" type="radio"/> Completed<br><input type="radio"/> Partially Completed<br><input type="radio"/> Not Completed<br><br><b>Explanation(s) provided :</b><br><input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>Provided weight and role.</i><br><b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>Provided screening results using HPDC-approved methods.</i><br><b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>Provided name and CAS RN or other identifier.</i> |
| <b>Threshold Disclosed Per</b>   |   |   |  |
| <input type="radio"/> Material<br><input checked="" type="radio"/> Product                     |   |   |  |

**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.

**PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

**SPECSEAL® SERIES SIL SILICONE FIRESTOP SEALANT [ LIMESTONE; CALCIUM CARBONATE BM-3dg POLYDIMETHYLSILOXANES (PRIMARY CASRN IS 63148-62-9) BM-2 PBT METHYLTRIMETHOXYSILANE BM-1tp EYE | PHY TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7) BM-1 CAN | END | MAM OCTAMETHYLCYCLOTETRA-SILOXANE BM-1 END | PBT | MUL | AQU | REP ]**

Number of Greenscreen BM-4/BM3 contents ... 1  
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1  
 Nanomaterial ... No  
**INVENTORY AND SCREENING NOTES:**  
 None.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 20 Regulatory (g/l): 250  
 Does the product contain exempt VOCs: No

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified  
 VOC content: SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Wood Flooring, Rubber Floor, Ceramic Tile, Multipurpose

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2024-09-12

PUBLISHED DATE: 2024-09-12

EXPIRY DATE: 2027-09-12

## 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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### SPECSEAL® SERIES SIL SILICONE FIRESTOP SEALANT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Contains Octamethylcyclotetrasiloxane as a residual.

OTHER PRODUCT NOTES: None.

### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2024-09-12 13:40:33

%: 30.0000 - 60.0000

GreenScreen: **BM-3dg**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is a filler in the product.

### POLYDIMETHYLSILOXANES (PRIMARY CASRN IS 63148-62-9)

ID: 2161362-23-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2024-09-12 13:40:34

%: 30.0000 - 60.0000

GreenScreen: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is a component of the binder system in the product.

### METHYLTRIMETHOXYSILANE

ID: 1185-55-3

%: **1.0000 - 5.0000**GreenScreen: **BM-1tp**RC: **None**NANO: **No**SUBSTANCE ROLE: **Binder**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS   |
|---------------------|----------------------|--|
| EYE                 | GHS - New Zealand    | Eye irritation category 2  |
| PHY                 | GHS - New Zealand    | Flammable liquids category 2   |
| PHY                 | GHS - Japan          | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION   |
| None found          |                      | No listings found on Additional Hazard Lists                               |

SUBSTANCE NOTES: This is a component of the binder system in the product.

**TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7)**ID: **946525-05-9**%: **0.5000 - 1.0000**GreenScreen: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS  |
|-------------|---|---|
| CAN         | US CDC - Occupational Carcinogens         | Occupational Carcinogen   |
| CAN         | CA EPA - Prop 65                          | Carcinogen - specific to chemical form or exposure route  |
| CAN         | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources  |
| CAN         | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value  |
| END         | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor   |
| CAN         | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels  |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans  |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION  |
|---------------------|---|---|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br><br>Colorants - Green Circle (Verified Low Concern)                             |

SUBSTANCE NOTES: This is a pigment in the product.

**OCTAMETHYLCYCLOTETRAILOXANE**

ID: 556-67-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-09-12 13:40:35**

%: **0.1000 - 0.5000**

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS  |
|-------------|---|---|
| END         | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor   |
| END         | ChemSec - SIN List                          | Endocrine Disruption  |
| PBT         | OR DEQ - Priority Persistent Pollutants     | Priority Persistent Pollutant - Tier 1  |
| PBT         | EC - CEPA DSL                               | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)                  |
| PBT         | EC - CEPA DSL                               | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans  |
| MUL         | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant  |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters  |
| PBT         | ChemSec - SIN List                          | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)                                |
| END         | EU - Priority Endocrine Disruptors          | Category 1 - In vivo evidence of Endocrine Disruption Activity  |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| REP         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H361f - Suspected of damaging fertility [Reproductive toxicity - Category 2]  |
| REP         | GHS - New Zealand                           | Reproductive toxicity category 2  |
| AQU         | GHS - Japan                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU         | GHS - Australia                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1   |
| REP         | GHS - Japan                                 | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                           |
| REP         | EU - Annex VI CMRs                          | Reproductive Toxicity - Category 2  |
| REP         | GHS - Australia                             | H361f - Suspected of damaging fertility [Reproductive toxicity - Category 2]  |
| PBT         | EU - SVHC List                              | PBT - Candidate list  |
| PBT         | EU - SVHC List                              | vPvB - Candidate list   |
| PBT         | EU - SVHC List                              | PBT - Prioritized for listing   |
| PBT         | EU - SVHC List                              | vPvB - Prioritized for listing  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION  |
|---------------------|---|---|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Some Solvents  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |

SUBSTANCE NOTES: This is a part of the binder system in the product.

## 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.

| VOC EMISSIONS   | UL/GreenGuard Gold Certified   |                                     |
|---|--|-------------------------------------|
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: All.<br>CERTIFICATE URL:<br><a href="https://api.stifirestop.com/resources/greenguard/sil-greenguard-gold-certification">https://api.stifirestop.com/resources/greenguard/sil-greenguard-gold-certification</a>   | ISSUE DATE: 2021-01-27 00:00:00<br>EXPIRY DATE:  | CERTIFIER OR LAB: UL<br>Environment |
| CERTIFICATION AND COMPLIANCE NOTES: TVOC <= 0.22 gm/m3 UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings   |  |                                     |
| VOC CONTENT   | SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Wood Flooring, Rubber Floor, Ceramic Tile, Multipurpose Construction, Structural Glazing and Contact, as amended 1/7/05 |                                     |
| CERTIFYING PARTY: Self-declared<br>APPLICABLE FACILITIES: All.<br>CERTIFICATE URL:<br><a href="https://api.stifirestop.com/resources/safety-data-sheets/sil-silicone-firestop-sealant-non-sag-safety-data-sheet">https://api.stifirestop.com/resources/safety-data-sheets/sil-silicone-firestop-sealant-non-sag-safety-data-sheet</a> | ISSUE DATE: 2018-09-18 00:00:00<br>EXPIRY DATE:  | CERTIFIER OR LAB: Self-declared.    |
| CERTIFICATION AND COMPLIANCE NOTES: US EPA Method 24.   |  |                                     |

## 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

Features & Benefits:

- Low modulus allows dynamic movement in joints
- Non-halogenated
- Auto bonding allows fresh sealant to adhere to cured sealant
- Excellent water resistance for water-tight sealing; including class 1 W ratings (UL1479)
- Ozone and UV resistant for excellent weathering ability and long service life
- Excellent chemical resistance protects in polluted or corrosive atmospheres
- Excellent adhesion to most building substrates
- Excellent smoke seal
- Neutral cure
- Safe, no asbestos, no PCB's, no inorganic fibers



**MANUFACTURER INFORMATION**

MANUFACTURER: **Specified Technologies Inc.**  
 ADDRESS: **210 Evans Way**  
**Somerville, NJ 08876**  
 COUNTRY: **USA**

WEBSITE: **www.stifirestop.com**  
 CONTACT NAME: **George Gornick, LEED Green Associate**  
 TITLE: **Applications Engineer**  
 PHONE: **800-992-1180 Ext. 1013**  
 EMAIL: **ggornick@stifirestop.com**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

|                                       |   |  |
|---------------------------------------|---|--|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |  |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |  |

**GreenScreen (GS)**

|   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |  |

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**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 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*

