

HPD UNIQUE IDENTIFIER: 13682749440

CLASSIFICATION: 07 84 43 Joint 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

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

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 SL(SELF-LEVELING) SILICONE FIRESTOP SEALANT [**LIMESTONE; CALCIUM CARBONATE** BM-3dg] **SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED** BM-2 | EYE **POLYDIMETHYLSILOXANES** BM-2 | PBT **UNDISCLOSED** BM-2 | SKI | EYE **NAPHTHA, PETROLEUM, HEAVY ALKYLATE** LT-1 | CAN | MUL | GEN | SKI | EYE | MAM **2-BUTANONE, O,O',O"- (METHYLSILYLIDYNE)TRIOXIME (8CI)(9CI)** LT-P1 | MUL **FUMED SILICA, CRYSTALLINE-FREE** BM-1 **BUTAN-2-ONE O,O,O,O-SILANETETRAYLTETRAOXIME** NoGS **N-(2-AMINOETHYL)-N'-[3-(TRIMETHOXSILYL)PROPYL]ETHYLENEDIAMINE** LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 1
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, LT-P1, BM-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

Material (g/l): 47

Regulatory (g/l): 250

Does the product contain exempt VOCs: No

Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

VOC emissions: UL/GreenGuard Gold Certified

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

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2024-06-26

PUBLISHED DATE: 2024-06-26

EXPIRY DATE: 2027-06-26

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

SPECSEAL® SERIES SIL SL(SELF-LEVELING) SILICONE FIRESTOP SEALANT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED:
Yes

RESIDUALS AND IMPURITIES NOTES: Contains quartz as an impurity. Contains Octamethylcyclotetrasiloxane as an impurity.

OTHER PRODUCT NOTES: None.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-06-26 7:32:12

%: 20.0000 - 40.0000

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.

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-06-26 7:32:12

%: 15.0000 - 25.0000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

EYE

GHS - New Zealand

Eye irritation category 2

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is the binder in the product.

POLYDIMETHYLSILOXANES

ID: Undisclosed

#: **8.0000 - 20.0000** 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 the binder in the product.

UNDISCLOSEDID: **Undisclosed**

#: **10.0000 - 15.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
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 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: This is the flame retardant in the product.

NAPHTHA, PETROLEUM, HEAVY ALKYLATEID: **64741-65-7**

#: **8.0000 - 12.0000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Diluent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
GEN	EU - Annex VI CMRs	Mutagen - Category 1B
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
GEN	GHS - Australia	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
GEN	EU - GHS (H-Statements) Annex 6 Table 3-1	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B
GEN	EU - REACH Annex XVII CMRs	Germ cell mutagens: Category 1B
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
MAM	GHS - Australia	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List 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 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 Formulated Consumer Products

SUBSTANCE NOTES: This is a diluent in the product for application properties.

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

HAZARD SCREENING DATE: **2024-06-26 7:32:14**

#: **1.0000 - 5.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

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

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

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

HAZARD SCREENING DATE: **2024-06-26 7:32:14**

#: **1.0000 - 4.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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 thickener in the product.

BUTAN-2-ONE O,O,O,O-SILANETETRAYLTETRAOXIME

ID: 34206-40-1

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

HAZARD SCREENING DATE: **2024-06-26 7:32:14**

#: **0.1000 - 0.5000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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 part of the binder in the product.

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

HAZARD SCREENING DATE: **2024-06-26 7:32:15**

#: **0.1000 - 0.4000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

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 part of the binder 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

ISSUE DATE: 2021-01-27 00:00:00

CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: All.

EXPIRY DATE:

Environment

CERTIFICATE URL:

<https://api.stifirestop.com/resources/greenguard/sil-greenguard-gold-certification>

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

ISSUE DATE: 2018-07-09 00:00:00

CERTIFIER OR LAB: Self-declared.

APPLICABLE FACILITIES: All.

EXPIRY DATE:

CERTIFICATE URL:

<https://api.stifirestop.com/resources/safety-data-sheets/sil-silicone-firestop-sealant-self-leveling-safety-data-sheet>

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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U 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, and Best Practices for Hazard Screening on the HPDC website (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

