

**CLASSIFICATION:** 07 84 00 Firestopping, 07 84 43 Joint Firestopping, 07 84 13 Penetration Firestopping  
**PRODUCT DESCRIPTION:** SpecSeal® Series LC Sealant is a latex-based, high solids firestop compound. This material, when properly installed, will effectively seal penetration openings and joints against the spread of fire, smoke, toxic gasses and water. SpecSeal® Series LC Sealant is engineered to adhere well to virtually all construction surfaces and may be applied using a standard caulk gun or by troweling with a standard mason's trowel or with a putty knife. SpecSeal® Series LC Sealant dries without shrinking to form a flexible shield against the propagation of fire. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying. SpecSeal® Series LC Sealant is non-halogenated, contains no asbestos, inorganic fibers or solvents. Applications: SpecSeal® Series LC Sealant is designed primarily for sealing construction joints and gaps as well as penetrations for noncombustible penetrants. SpecSeal Series LC has been tested and approved for single metallic pipe penetrations up to 30" (762 mm) as well as multiple penetrants through both masonry and gypsum wallboard constructions. Additional systems have been tested for steel sleeved penetrations as well as some common electrical and communications cable penetrations and joint penetrations. See STI's Product & Application Guide as well as the UL Fire Resistance Directory for complete listings.

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per**

- Material
- Product

**Threshold level**

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

**Residuals/Impurities**

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?  
 Yes  No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No

*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No

*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No

*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

**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](#)

[SPECSEAL® SERIES LC ENDOTHERMIC FIRESTOP SEALANT](#) | [LIMESTONE, CALCIUM CARBONATE](#) [LT-UNK](#) [POLYMER LATEX](#) [NoGS](#) [UNDISCLOSED](#) [BM-2](#) | [RES](#) [PROPYLENE GLYCOL](#) [BM-2](#) | [END](#) [SOLVENT NAPHTHA \(PETROLEUM\), MEDIUM ALIPHATIC](#) [LT-P1](#) | [MAM](#) | [END](#) [ALCOHOLS, C8-22, ETHOXYLATED](#) [LT-UNK](#) [FERRIC OXIDE](#) [BM-2](#) | [CAN](#) [ETHYLHYDROXYETHYLCELLULOSE](#) [LT-UNK](#) [UNDISCLOSED](#) [LT-UNK](#) | [SKI](#) | [EYE](#) ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

None.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 57 Regulatory (g/l): 250

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

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

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

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**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-12-12

PUBLISHED DATE: 2019-02-22

EXPIRY DATE: 2021-12-12



## 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 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### SPECSEAL® SERIES LC ENDOTHERMIC FIRESTOP SEALANT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The Calcium Carbonate portion of this product contains crystalline Silica as a residual.

OTHER PRODUCT NOTES: The Calcium Carbonate portion of this product contains crystalline Silica as a residual.

#### LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-12

#: 30.0000 - 60.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Contains Crystalline Silica as a residual.

#### POLYMER LATEX

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-12

#: 25.0000 - 45.0000

GS: NoGS

RC: None

NANO: No

ROLE: binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: There are no residuals in this material.

#### UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-12

#: 15.0000 - 25.0000

GS: BM-2

RC: None

NANO: No

ROLE: flame retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Contains no residuals.

#### PROPYLENE GLYCOL

ID: 57-55-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-12

#: 0.5000 - 1.5000

GS: BM-2

RC: None

NANO: No

ROLE: Anti freeze

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SUBSTANCE NOTES: Contains no residuals.		

**SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC**

ID: 64742-88-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-12		
%: 0.5000 - 2.5000	GS: LT-P1	RC: None	NANO: No	ROLE: carrier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways		
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES: Contains no residuals.				

**ALCOHOLS, C8-22, ETHOXYLATED**

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-12		
%: 0.5000 - 1.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Contains no residuals.				

**FERRIC OXIDE**

ID: 1309-37-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-12		
%: 0.5000 - 1.5000	GS: BM-2	RC: None	NANO: No	ROLE: colorant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
SUBSTANCE NOTES: Contains no residuals.				

**ETHYLHYDROXYETHYLCELLULOSE**

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-12		
%: 0.2000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: thickener
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Contains no residuals.				

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-12-12**

%: **0.1000 - 0.2000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**SKIN IRRITATION**

**EU - GHS (H-Statements)**

**H315 - Causes skin irritation**

**EYE IRRITATION**

**EU - GHS (H-Statements)**

**H319 - Causes serious eye irritation**

SUBSTANCE NOTES: **Contains no residuals.**

## 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

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All.**

CERTIFICATE URL:

[https://files.stfirestop.com/25.%20Test%20Reports/CDPH%20Emission%20Reports/CDPH%20v1.2-2017\\_1000562983-1906115\\_LC%20Sealant.pdf](https://files.stfirestop.com/25.%20Test%20Reports/CDPH%20Emission%20Reports/CDPH%20v1.2-2017_1000562983-1906115_LC%20Sealant.pdf)

CERTIFICATION AND COMPLIANCE NOTES: **None.**

ISSUE

DATE:

2019-

02-21

EXPIRY

DATE:

CERTIFIER OR LAB:

UL Environment

### 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**

APPLICABLE FACILITIES: **All.**

CERTIFICATE URL:

[https://files.stfirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS\\_LC%20Endothermic%20Sealant.pdf](https://files.stfirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_LC%20Endothermic%20Sealant.pdf)

CERTIFICATION AND COMPLIANCE NOTES: **US EPA Method 24.**

ISSUE

DATE:

2018-

08-20

EXPIRY

DATE:

CERTIFIER

OR LAB:

Self-

declared

## 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

Specifications: The firestopping sealant shall be a one-part, latex-based compound. The sealant shall dry to form a flexible non-shrinking penetration seal and shall be capable of allowing pipe movement and shall contain no solvents, water soluble fillers, or inorganic fibers. The sealant shall be thixotropic and shall be capable of caulking or troweling onto vertical surfaces or overhead. The sealant shall be UL Classified and tested to the requirements of ASTM E814 (UL1479) and CAN/ULCS115. Performance: SpecSeal® Series LC Sealant is the basis for systems that meet the exacting criteria of ASTM E1966 (UL2079) and CAN/ULCS115 as well as the time-temperature requirements of ASTM E119. Tested systems will provide up to a 3 hour rating utilizing as little as 1/4" (6 mm) of sealant depth (1/2" (13 mm) for 4 hours). All tested systems have been cycled 500 times at total movement up to +/- 12.5% or 25% in compression only. Features & Benefits - Water-Based - Easy installation, cleanup, and disposal. - Endothermic Fillers - Absorb heat & release water. - High Solids Formula - No shrinkage! - Paintable - Paintable (when dry). - Safe ... No Solvents! Non-Halogenated! Low VOC's. - Red Color - Easy identification and inspection. - Installer Friendly - Excellent caulking properties along with high build capabilities. - Excellent Smoke Seal. - Flexible.

## MANUFACTURER INFORMATION

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MANUFACTURER: **Specified Technologies Inc.**

ADDRESS: **210 Evans Way**

**Somerville NJ 08876, 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**

## KEY

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**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 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)

**NoGS** 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 Terms

#### 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 for compliance with the HPD standard noted.*