

HPD UNIQUE IDENTIFIER: 27508

CLASSIFICATION: 07 84 13 Penetration Firestopping

PRODUCT DESCRIPTION: SpecSeal® Wrap Strips are highly flexible, elastomeric strips designed to firestop combustible penetrations in fire-rated floors, floor/ceilings, and walls. Convenient 12' (3.7 m) rolls, or individually sized strips facilitate installation and minimize waste. These products utilize STI's fast responding intumescent technology, providing very responsive and highly directionalized expansion. Rapid expansion provides quick closure for burning combustible penetrants. When exposed to temperatures in excess of 250°F (121°C), the SpecSeal® Wrap Strip begins to expand (intumesce) rapidly to form a dense, highly insulative char. Free expansion varies according to the grade utilized (See Table A). Expansion continues up to temperatures of 1,000°F (538°C).

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<div><div></div> Nested Materials Method</div> <div><div checked="" type="radio"></div> Basic Method</div>	<div><div></div> 100 ppm</div> <div><div checked="" type="radio"></div> 1,000 ppm</div> <div><div></div> Per GHS SDS</div> <div><div></div> Other</div>	<div><div checked="" type="radio"></div> Considered</div> <div><div></div> Partially Considered</div> <div><div></div> Not Considered</div> <div>Explanation(s) provided for Residuals/Impurities?</div> <div><div checked="" type="radio"></div> Yes <div></div> No</div>	<div>Characterized<div><div></div> Yes Ex/SC <div checked="" type="radio"></div> Yes <div></div> No</div></div> <div>% weight and role provided for all substances.</div> <div>Screened<div><div></div> Yes Ex/SC <div checked="" type="radio"></div> Yes <div></div> No</div></div> <div><i>All substances screened using Priority Hazard Lists with results disclosed.</i></div> <div>Identified<div><div></div> Yes Ex/SC <div></div> Yes <div checked="" type="radio"></div> No</div></div> <div><i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></div>

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 SSW 125, 250 & 375 INTUMESCENT WRAP STRIP](#) [[GRAPHITE](#) [LT-UNK](#) [UNDISCLOSED](#) [LT-UNK](#) [UNDISCLOSED](#) [NoGS](#) [METHYLENE BISPHENYL DIISOCYANATE \(PURE MDI\)](#) [LT-UNK](#) | [MUL](#) | [RES](#) | [CAN](#) | [SKI](#) | [EYE 2,2'-BIS-6-TERC.BUTYL-P-KRESYLMETHAN](#) [BM-1](#) | [END](#) | [REP](#) [POLYMERIC MDI \(PMDI\)](#) [LT-UNK](#) | [MUL](#) | [RES](#) | [CAN](#)]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

VOC emissions: N/A

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified? <div><div></div> Yes</div> <div><div checked="" type="radio"></div> No</div>	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2022-02-08 PUBLISHED DATE: 2022-02-08 EXPIRY DATE: 2025-02-08
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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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

SPECSEAL® SERIES SSW 125, 250 & 375 INTUMESCENT WRAP STRIP

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This material contains no residuals.

OTHER PRODUCT NOTES: This material contains no residuals.

GRAPHITE

ID: 7782-42-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-08 9:40:36		
%: 40.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Intumescent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: This material is part of the intumescent in the product.				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-08 9:40:37		
%: 20.0000 - 50.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: This material is the binder in the product.				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-08 9:40:37		
%: 20.0000 - 40.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: This material is the plastcizer in the product.				

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)

ID: 101-68-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-08 9:40:38		
%: 1.5000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
RES	EU - GHS (H-Statements) Annex 6 Table 3-1	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
SUBSTANCE NOTES: This material is part of the binder.		

2,2'-BIS-6-TERC.BUTYL-P-KRESYLMETHAN					ID: 119-47-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-08 9:40:38			
%: 0.2000 - 1.5000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Antioxidant	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
REP	GHS - Australia		H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]		
SUBSTANCE NOTES: This material is the antioxidant in the product.					

POLYMERIC MDI (PMDI)				ID: 9016-87-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-08 9:40:39		
?: 0.2000 - 0.6000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	US EPA - PPT Chemical Action Plans		EPA Chemical of Concern - Action Plan published	
RES	AOEC - Asthmagens		Asthmagen (G) - generally accepted	
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
RES	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization	
RES	US EPA - PPT Chemical Action Plans		Inhalation sensitizer causing asthma and lung damage	
SUBSTANCE NOTES: This material is part of 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	N/A		
CERTIFYING PARTY: Self-declared	ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
APPLICABLE FACILITIES: All.	2017-	07-05	Self-
CERTIFICATE URL: https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_SSW125,%20SSW250,%20SSW375%20Wrap%20Strip.pdf			declared.
CERTIFICATION AND COMPLIANCE NOTES: Not appllicable. Not a wet applied product or type of insulation. See SDS under Certificate URL.			

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

Applications

SpecSeal® Wrap Strips are used for firestopping combustible penetrants such as nonmetallic pipes or pipe insulation. Installations were developed for both “tuck-in” applications (where strips are secured around the penetrant and slid into the opening) and restraining collar assemblies (for surface mounting). For larger openings or complex penetrant configurations, systems were developed utilizing wrap strips in conjunction with other SpecSeal® products. SpecSeal® Wrap Strips are suitable for use in all common forms of construction including concrete floors, concrete over steel deck, concrete walls, concrete block walls, gypsum board/stud walls, and wood floor/ceiling assemblies.

Specifications

The wrap strip material shall be a highly flexible, intumescent material. The wrap strip shall contain no water soluble expansion ingredients and provide a minimum of 30x free expansion. The intumescent wrap strip shall be faced on each side with plastic. The specified material shall be approved for a wide range of applications including combustible and noncombustible penetrants when used by itself or in combination with other products from the same manufacturer. The wrap strip shall be UL Certified and tested to the requirements of ASTM E814 (UL 1479), CAN/ULC S115.

Specified Divisions

- DIV. 7 — 07 84 00 — Firestopping
- DIV. 22 — 22 07 00 — Plumbing Insulation
- DIV. 22 — 22 00 00 — Plumbing
- DIV. 23 — 23 07 00 — HVAC Insulation

Performance

SpecSeal® Wrap Strips are the basis for systems that meet the exacting criteria of ASTM E814 (UL 1479), CAN/ULC S115. Systems were tested for all common forms of construction and penetrants with ratings up to 4 hours (dependent upon grade of wrap strip utilized).

Features & Benefits

- Rapid Expansion: Closes off burning penetrants faster.
- High Volume Char: Significant expansion seals off opening!
- Water-Resistant: No soluble or hygroscopic ingredients.
- Economical: 12' (3.7 m) rolls or precut strips means no piecing...less waste!
- Highly Flexible: No foil...soft...supple... easier to install!
- Versatile: Performer for a wide range of complex applications.

MANUFACTURER INFORMATION

MANUFACTURER: Specified Technologies Inc.	CONTACT NAME: George Gornick, LEED Green Associate
ADDRESS: 210 Evans Way	TITLE: Applications Engineer
Somerville NJ 08876, United States	PHONE: 800-992-1180, Ext. 1013
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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-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

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 for compliance with the HPD standard noted.