

HPD UNIQUE IDENTIFIER: 29132

CLASSIFICATION: 07 84 13.16 Penetration Firestopping Devices

PRODUCT DESCRIPTION: SpecSeal® Range-Taking Firestop Collars (RTC) are factorymanufactured devices designed to seal plastic pipes penetrating through fire resistance rated walls and floors. SpecSeal® RTC Collars are comprised of a heavy gauge metal collar housing a molded intumescent insert. The adjustable collar is designed to allow a single collar to fit 3” and 4” trade size pipes (89 and 114 mm) and corresponding 3” and 4” couplings (102 and 127 mm). When exposed to temperatures in excess of 320°F (160°C), the SpecSeal® Range-Taking Firestop Collars’s molded insert begins to expand (intumesce) rapidly to form a dense, highly insulative char. Free expansion ranges from 32 to 64 times original (preexpanded) volume. Expansion continues up to 1,000°F (538°C). Applications SpecSeal® Range-Taking Firestop Collars are used to protect a variety of plastic pipes and couplings including PVC, PVC Cellular Core (ccPVC), CPVC, ABS, and ABS Cellular Core (ccABS) in both vented (DWW) and closed (electrical conduit or water supply) installations. SpecSeal® Range-Taking Firestop Collars are suitable for use in all common constructions including concrete floors, concrete over steel deck, concrete walls, concrete block walls, gypsum board/stud walls, as well as wood floor/ceiling assemblies.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format ☐ Nested Materials Method ☒ Basic Method	Threshold Level ☐ 100 ppm ☒ 1,000 ppm ☐ Per GHS SDS ☐ Other	Residuals/Impurities ☒ Considered ☐ Partially Considered ☐ Not Considered Explanation(s) provided for Residuals/Impurities? ☒ Yes ☐ No	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes Ex/SC ☒ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes Ex/SC ☒ Yes ☐ No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> Identified ☐ Yes Ex/SC ☐ Yes ☒ No <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>
Threshold Disclosed Per ☐ Material ☒ 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

SPECSEAL® RANGE-TAKING FIRESTOP COLLARS (RTC) [

GRAPHITE **LT-UNK** **UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **NoGS**

UNDISCLOSED **LT-UNK** | MUL | RES | CAN | SKI | EYE **2,2'-BIS-6-**

TERC.BUTYL-P-KRESYLMETHAN **BM-1** | END | REP | MUL

UNDISCLOSED **LT-UNK** | MUL | RES | CAN **UNDISCLOSED** **LT-UNK** |

MUL | RES | SKI | EYE | 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? ☐ Yes ☒ No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2022-07-08 PUBLISHED DATE: 2022-07-08 EXPIRY DATE: 2025-07-08
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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® RANGE-TAKING FIRESTOP COLLARS (RTC)

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: There are no residuals in this product.

OTHER PRODUCT NOTES: There are no residuals in this product.

GRAPHITE ID: 7782-42-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-08 11:43:12

%: 30.0000 - 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 the intumescent in the product.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-08 11:43:12

%: 20.0000 - 40.0000 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 part of the binder in the product.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-08 11:43:13

%: 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 a plasticizer in the product.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-08 11:43:13

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	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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 in the product.

2,2'-BIS-6-TERC.BUTYL-P-KRESYLMETHAN

ID: 119-47-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-07-08 11:43:14

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
REP	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
REP	GHS - Australia	H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]

SUBSTANCE NOTES: This material is the antioxidant in the product.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-07-08 11:43:14

%: 0.2000 - 0.8000		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	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced		
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 the binder in the product.					

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-08 11:43:15			
%: 0.1000 - 0.4000		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	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 if 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	N/A		
CERTIFYING PARTY: Self-declared	ISSUE	EXPIRY	CERTIFIER OR
APPLICABLE FACILITIES: All.	DATE:	DATE:	LAB: Self-
CERTIFICATE URL:	2017-05-		declared.
https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_RTC%20Collar.pdf	12		
CERTIFICATION AND COMPLIANCE NOTES: Not Applicable. SDS Attached (see 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

Specifications

Specified Divisions

Division 7: 07 84 13 Penetration Firestopping

Division 22: 22 00 00 Firestopping for Plumbing

Performance

SpecSeal® Range-Taking Firestop Collars are the basis for systems that meet the exacting criteria of ASTM E814 (UL1479). Systems have been tested for all common forms of construction and the most common plastic pipes and couplings with ratings up to two hours. Consult factory for more information or refer to UL Fire Resistance Directory.

Features & Benefits

- Adjustable: One collar fits 3” (89 mm) pipe, 3” (102 mm) coupling, 4” (114 mm) pipe, and 4” (127 mm) coupling!
- Rapid Expansion: Closes off burning pipes quickly.
- Small Profile: Use it in all the tight spots!
- Flexible & Durable: No loose flakes (eye hazards).
- Water Resistant: No water soluble or hygroscopic ingredients.
- Economical: Lower installed cost.
- High Volume Char: Expands up to 60 times!

MANUFACTURER INFORMATION

MANUFACTURER: Specified Technologies Inc.
ADDRESS: 210 Evans Way
 Somerville NJ 08876, United States
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-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)	
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)	NoGS No GreenScreen.

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.