

CLASSIFICATION: 07 84 00 Firestopping, 26 00 00 Electrical

PRODUCT DESCRIPTION: SpecSeal® CS105 Cable Spray is a latex-based, ablative elastomer that will also intumesce to protect single or grouped electrical cables against flame propagation. This coating, when properly installed, will limit flame spread according to IEEE 383, IEEE 1202, IEC 60332-3, and Factory Mutual (FM) Class 3971. Additionally, CS105 may provide some degree of short-term circuit integrity during a fire situation according to IEC 60331-21. SpecSeal® CS105 Cable Spray is formulated to adhere well to virtually all cable jacketing materials and may be applied using airless spray equipment or with a brush. SpecSeal® CS105 Cable Spray is very high in solids (by volume) and offers the highest coverage rates of any product of this type. SpecSeal® CS105 Cable Spray dries 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® CS105 Cable Spray does not contain inorganic fibers, asbestos, or solvents. Applications SpecSeal® CS105 Cable Spray is primarily designed for the protection of grouped electrical, data, or communications cables in cable tray or racked cable applications to limit the spread of fire.

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® CS105 CABLE SPRAY [POLYMER LATEX NoGS ALUMINA TRIHYDRATE BM-2 | RES LIMESTONE, CALCIUM CARBONATE LT-UNK WATER BM-4 UNDISCLOSED LT-P1 | MUL ALCOHOLS, C8-22, ETHOXYLATED LT-UNK PROPYLENE GLYCOL BM-2 | END UNDISCLOSED NoGS TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 26 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: N/A

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: 2019-03-26

PUBLISHED DATE: 2020-02-19

EXPIRY DATE: 2022-03-26



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

SPECSEAL® CS105 CABLE SPRAY

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This product contains residual crystalline silica quartz.

OTHER PRODUCT NOTES: This product contains residual crystalline silica quartz.

POLYMER LATEX

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-26

%: 25.00 - 45.00

GS: NoGS

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This is the base binder in the product.

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-26

%: 15.00 - 30.00

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: This is a flame retardant in the product.

LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-26

%: 10.00 - 25.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This is a filler in the product, and contains residual crystalline silica quartz.

WATER

ID: 7732-18-5

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

HAZARD SCREENING DATE: **2019-03-26**

#: **5.00 - 25.00**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Carrier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **This is a carrier in the product.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-03-26**

#: **2.00 - 8.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **This is a plasticizer in the product.**

ALCOHOLS, C8-22, ETHOXYLATED

ID: **69013-19-0**

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

HAZARD SCREENING DATE: **2019-03-26**

#: **0.50 - 2.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Surfactant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **This is a surfactant in the product.**

PROPYLENE GLYCOL

ID: **57-55-6**

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

HAZARD SCREENING DATE: **2019-03-26**

#: **0.50 - 2.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Antifreeze Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **This is an antifreeze agent in the product.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-03-26**

#: **0.50 - 2.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Thickener**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This is a thickener in the product, and contains residual crystalline silica quartz.

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2019-03-26**

%: **0.10 - 1.50** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: This is a colorant in the product.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-03-26**

%: **0.05 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Antimicrobial Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This is an antimicrobial agent in the product.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-03-26**

%: **0.05 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Thickener**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This is a thickener 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: **2020-02-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **N/A**

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CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Has not been tested to the CDPH Standard Method v1.1 or v1.2**

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 EXPIRY CERTIFIER

APPLICABLE FACILITIES: **All.**

DATE: DATE: OR LAB:

CERTIFICATE URL:

2018-

Self-

https://files.stfirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_CS%20Cable%20Spray.pdf

09-17

declared.

CERTIFICATION AND COMPLIANCE NOTES: **Per 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

Specifications The single component fire protective cable coating shall be a water-based ablative elastomer that will also intumesce. The coating shall dry to form a flexible, water and weather-resistant film and shall not contain solvents, asbestos, or inorganic fibers. The coating shall be thixotropic and shall be capable of being applied by brush application or by airless spray. The approved coating shall be FM Approved Class 3971 and tested according to IEC 60332-3, IEEE 383, and IEEE 1202. Division 7 07 84 00 Firestopping Division 26 26 00 00 Electrical Performance SpecSeal® CS105 Cable Spray meets Factory Mutual (FM) Approval requirements for the protection of grouped electrical cables (FM Class No. 3971). Tests conducted by FM Approvals indicate that ampacity derating of cables is not required when installed as per recommendations. SpecSeal® CS105 Cable Spray also meets IEC 60331-21 and IEC 60332-3 and passes IEEE 383/1202. **Features & Benefits** • Water-Based for easy installation and cleanup. • Thixotropic for high-build application. • High Solids... Better coverage! • Safe... No solvents!... No asbestos! • Nonhalogenated. • Flexible! • Water and Weather Resistant! • Low Abrasion for longer pump life and less maintenance.



Section 6: References

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**

KEY

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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.