

HPD UNIQUE IDENTIFIER: 27319

CLASSIFICATION: 07 84 00 Firestopping

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

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 BM-1 | **MUL UNDISCLOSED** LT-UNK]

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

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

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-06-02

PUBLISHED DATE: 2022-01-26

EXPIRY DATE: 2024-06-02

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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-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: 2021-06-02 12:04:56

#: 25.0000 - 45.0000 GS: NoGS 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 is the base binder in the product.

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-06-02 12:04:57

#: 15.0000 - 30.0000 GS: BM-2 RC: None NANO: No SUBSTANCE ROLE: Flame retardant

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|-------------------------------------|
| RES | 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: 2021-06-02 12:04:57

#: 10.0000 - 25.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE 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: 2021-06-02 12:04:57

#: 5.0000 - 25.0000 GS: BM-4 RC: None NANO: No SUBSTANCE 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

ID: **Undisclosed**

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-06-02 12:04:58 | | |
|---|---|---|-----------------|------------------------------------|
| %: 2.0000 - 8.0000 | GS: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Plasticizer |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| MUL | 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: 2021-06-02 12:04:58 | | |
|---|------------------------|---|-----------------|-----------------------------------|
| %: 0.5000 - 2.0000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE 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: 2021-06-02 12:04:59 | | |
|---|---------------------------------------|---|-----------------|------------------------------------|
| %: 0.5000 - 2.0000 | GS: BM-2 | RC: None | NANO: No | SUBSTANCE ROLE: Anti-freeze |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | | |

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

UNDISCLOSED

ID: **Undisclosed**

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-06-02 12:04:59 | | |
|---|------------------------|---|-----------------|---|
| %: 0.5000 - 2.0000 | GS: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Viscosity modifier |
| 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: 2021-06-02 12:05:00 | | |
|---|--|---|--|--|

%: 0.1000 - 1.5000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|--|
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer |
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CAN | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CAN | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |

SUBSTANCE NOTES: This is a colorant in the product.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 12:05:00**

%: 0.0500 - 1.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: **Antimicrobial Pesticide**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|-----------------------------------|
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |

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

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 12:05:01**

%: 0.0500 - 1.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: **Viscosity modifier**

| 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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All.

CERTIFICATE URL:

<https://api.stifirestop.com/resources/greenguard/cs-cable-spray-greenguard-gold-certification>

ISSUE DATE: 2021-01-

27

EXPIRY DATE:

CERTIFIER OR LAB: UL

Environment

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

APPLICABLE FACILITIES: All.

CERTIFICATE URL:

<https://api.stifirestop.com/resources/safety-data-sheets/cs-cable-spray-safety-data-sheet>

ISSUE DATE: 2018-09-

17

EXPIRY DATE:

CERTIFIER OR LAB: Self-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.

Specified Divisions:

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 & cleanup
- Thixotropic for high-build application
- High solids, better coverage
- Safe, no solvents, no asbestos, no PCB's, no inorganic fibers
- Non-halogenated
- Flexible
- Water and weather resistant
- Low abrasion for longer pump life and less maintenance

- Auto bonding

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) | 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.