

**CLASSIFICATION:** Section 07 84 00 Firestopping, Section 26 01 00 Operation & Maintenance of Electrical Systems, 26 01 40 Operation and Maintenance of Electrical Protection Systems

**PRODUCT DESCRIPTION:** E-Wrap™ Endothermic Wrap is a protective wrap designed for fire protection of critical circuits and infrastructure such as fire pumps, signaling equipment, elevators, alarms, process control equipment, or emergency responder communications enhancement systems (ERCES). When installed around Electrical Metallic Tubing (EMT), conduits, or cable trays E-Wrap™ releases chemically bound water to have a cooling effect providing up to 2 hours of circuit integrity ensuring continued operation under fire conditions. Applications Protecting circuits including cables, Electrical Metallic Tubing (EMT), conduits, or cable trays.

## 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**

**E-WRAP™ ENDOTHERMIC WRAP [ UNDISCLOSED BM-2 | RES**  
**ALUMINOSILICATE REFRACTORY CERAMIC FIBERS LT-1 | CAN**  
**UNDISCLOSED NoGS ]**

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

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-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: 2019-03-07

PUBLISHED DATE: 2019-07-03  
EXPIRY DATE: 2022-03-07



## 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](http://www.hpd-collaborative.org/hpd-2-1-1-standard)*

### E-WRAP™ ENDOTHERMIC WRAP

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: This product may contain trace residual formaldehyde (<0.1%)

OTHER PRODUCT NOTES: This product may contain trace residual formaldehyde (<0.1%)

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-03-07**

#: **60.00 - 60.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**RESPIRATORY**

**AOEC - Asthmagens**

**Asthmagen (Rs) - sensitizer-induced**

SUBSTANCE NOTES: **This substance is part of the insulation.**

**ALUMINOSILICATE REFRACTORY CERAMIC FIBERS**

ID: **Not registered**

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

HAZARD SCREENING DATE: **2019-03-07**

#: **34.00 - 34.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER**

**EU - SVHC Authorisation List**

**Carcinogenic - Prioritized for listing**

**CANCER**

**CA EPA - Prop 65**

**Carcinogen - specific to chemical form or exposure route**

**CANCER**

**US NIH - Report on Carcinogens**

**Reasonably Anticipated to be Human Carcinogen (respirable size - occupational setting)**

**CANCER**

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

**H350i - May cause cancer by inhalation**

**CANCER**

**EU - REACH Annex XVII CMRs**

**Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man**

**CANCER**

**EU - Annex VI CMRs**

**Carcinogen Category 1B - Presumed Carcinogen based on animal evidence**

SUBSTANCE NOTES: **This substance is part of the insulation.**

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-03-07**

#: **6.00 - 6.00**

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 ingredient may contain trace residual formaldehyde (<0.1%)**

## 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: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **Self-declared.**

APPLICABLE FACILITIES: **All.**

**02-19**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Not applicable. 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

**Specifications** The approved protective wrap product shall be a flexible, endothermic insulative wrap for the protection of electrical systems such as Electrical Metallic Tubing (EMT), conduit, or cable tray for up to 2 hours. The approved protective wrap shall be capable of being installed in layers and secured with minimum 16 GA (1.3 mm) steel tie wire to protect encapsulated items against the effects of fire and heat. The product shall be capable of providing equal F & T Ratings when applied to membrane penetrations of utility boxes. The approved protective wrap shall be certified by UL and Intertek. The approved product shall be STI E-Wrap™ Endothermic Wrap. Section 07 80 00 Fire and Smoke Protection Section 07 84 00 Firestopping Section 26 01 00 Operation & Maintenance of Electrical Systems Section 27 20 00 Data Communications Testing & Approvals Performance Criteria - Circuit Integrity Protection Standards - ASTM E1725 Values - 1 and 2 Hour Ratings Features & Benefits • Flexible material - easy to install, even on small diameter conduits • Fewer layers required for protection - better coverage per roll • Tested with Electrical Metallic Tubing (EMT) and heavier conduits • Endothermic - releases chemically bound water to have a cooling effect • Low Density - Weighs less than competing wraps • May be used to achieve equal F&T Ratings on Penetration Firestop Systems. • Tested to ASTM E1725 for circuit integrity



## MANUFACTURER INFORMATION

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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

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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.*