

Superior Essex 4-Pair Plenum Copper Cable: PowerWise 10G 4PPoE by Superior Essex

Health Product Declaration v2.1

CLASSIFICATION: 27 10 00.00 Communications: Structured Cabling

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This HPD covers the Superior Essex 4-Pair plenum PowerWise 10G 4PPoE cable. PowerWise 10G 4PPoE cable provides the performance benefits of a typical CAT6A cable without a continuous shield to offer 7 dB margin over Alien Crosstalk (AXT) performance requirements in ANSI/TIA 568-C.2. Its uniquely designed Isolation Wrap contains discontinuous sections of metallized material, held in place by a polymeric layer. Cable temperature increases are reduced and power efficiency is increased as a result of 22 gauge conductors. Plenum rated conductors are also 100% FEP insulated and ensure cable performance over the life of your system. PowerWise 10G 4PPoE cables are the best solution to connect and power your 4PPoE applications compared to standard CAT 6A designs.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 4 of 5 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? Yes No

Screened
Using Priority Hazard Lists with Results Disclosed? Yes No

Identified
Name and Identifier Provided? Yes No

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**

PLENUM JACKET 3 [UNDISCLOSED LT-P1 | RES UNDISCLOSED BM-2 | RES UNDISCLOSED LT-1 | CAN UNDISCLOSED BM-2 | PBT | END | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK | SKI UNDISCLOSED BM-1 | MAM | AQU | CAN | MUL UNDISCLOSED LT-UNK UNDISCLOSED BM-1 | MUL UNDISCLOSED LT-P1 | END UNDISCLOSED LT-P1 UNDISCLOSED LT-1 | CAN | END UNDISCLOSED BM-3 UNDISCLOSED LT-P1 UNDISCLOSED LT-UNK UNDISCLOSED BM-3 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN FUNCTIONAL FILLER 1 LT-UNK FLAME RETARDANT 1 BM-3 FLAME RETARDANT 2 BM-1 | AQU | RES | MUL FLAME RETARDANT 3 NoGS FUNCTIONAL FILLER 2 LT-P1] ELECTRICAL CONDUCTOR [COPPER (COPPER) LT-UNK] FEP WIRE INSULATION 2 [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE (1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE) LT-UNK] CROSS WEB SEPARATOR 1 [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE (1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE) LT-UNK] TAPE SHIELD 1 [ALUMINUM (ALUMINUM) LT-P1 | RES | END | PHY POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET)) LT-UNK]

Number of Greenscreen BM-4/BM3 contents..... 3
Contents highest concern GreenScreen
Benchmark or List translator Score..... BM-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

All substances in this HPD have been screened using Priority Hazard Lists with results disclosed.

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
LCA: Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

PREPARER: Self-Prepared

SCREENING DATE: 2018-02-02

Yes

VERIFIER:

PUBLISHED DATE: 2018-02-28

No

VERIFICATION #:

EXPIRY DATE: 2021-02-02

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

PLENUM JACKET 3

%: 33.1710

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals are considered as all substances including residuals are disclosed to 1,000 ppm. Residuals were identified through supplier and consultant expertise regarding the substances disclosed. Any known impurities, unreacted inputs, and residuals were marked accordingly.

OTHER MATERIAL NOTES: All substances including residuals are disclosed to 1,000 ppm.

UNDISCLOSED

%: 30.0000 - 40.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

%: 15.0000 - 25.0000

GS: BM-2

RC: None

NANO: No

ROLE: Additive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

%: Impurity/Residual

GS: LT-1

RC: None

NANO: No

ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: This substance is a residual considered proprietary by the supplier; however, the health hazards are disclosed.

UNDISCLOSED

#: 0.0000 - 10.0000	GS: BM-2	RC: None	NANO: No	ROLE: Additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action		
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action		
PBT	EU - ESIS PBT	Fulfills PBT Criteria - Action Deferred		
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment		

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:			

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 5.0000**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

ACUTE AQUATIC

EU - R-phrases

R51 - Toxic to Aquatic Organisms

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

CANCER

Japan - GHS

Carcinogenicity - Category 1B

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 5.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 2.0000**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 2.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 2.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH 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

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 1.5000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 1.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

UNDISCLOSED

HAZARDS:	AGENCY(IES) WITH 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	
CANCER	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

FUNCTIONAL FILLER 1ID: **Undisclosed**

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

FLAME RETARDANT 1ID: **Undisclosed**

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

FLAME RETARDANT 2ID: **Undisclosed**

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ACUTE AQUATIC	EU - R-phrases		R50 - Very Toxic to Aquatic Organisms	
RESPIRATORY	AOEC - Asthmagens		Asthmagen (ARs) - sensitizer-induced - inhalable forms only	
ACUTE AQUATIC	EU - GHS (H-Statements)		H400 - Very toxic to aquatic life M = 1000000	
CHRON AQUATIC	EU - GHS (H-Statements)		H410 - Very toxic to aquatic life with long lasting effects	
RESTRICTED LIST	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

FLAME RETARDANT 3

ID: **Undisclosed**

#: **0.0000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Flame Retardant**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

FUNCTIONAL FILLER 2

ID: **Undisclosed**

#: **0.0000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Functional Filler**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.

ELECTRICAL CONDUCTOR

#: **31.0540**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals are considered as all substances including residuals are disclosed to 1,000 ppm. Residuals were identified through supplier and consultant expertise regarding the substances disclosed. Any known impurities, unreacted inputs, and residuals were marked accordingly.

OTHER MATERIAL NOTES: All substances including residuals are disclosed to 1,000 ppm.

COPPER (COPPER)

ID: **7440-50-8**

#: **100.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Conductor**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FEP WIRE INSULATION 2

#: **19.2600**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals are considered as all substances including residuals are disclosed to 1,000 ppm. Residuals were identified through supplier and consultant expertise regarding the substances disclosed. Any known impurities,

unreacted inputs, and residuals were marked accordingly.

OTHER MATERIAL NOTES: All substances including residuals are disclosed to 1,000 ppm.

1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE (1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE)

ID: 25067-11-2

%: 100.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Insulation
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CROSS WEB SEPARATOR 1

%: **10.4410**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals are not considered; proprietary additives are used in the manufacturing of this material and should be fully consumed in the process.

OTHER MATERIAL NOTES: All substances excluding residuals are disclosed to 1,000 ppm.

1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE (1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE)

ID: 25067-11-2

%: 100.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Cross web separator
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TAPE SHIELD 1

%: **6.0690**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals are considered as all substances including residuals are disclosed to 1,000 ppm. Residuals were identified through supplier and consultant expertise regarding the substances disclosed. Any known impurities, unreacted inputs, and residuals were marked accordingly.

OTHER MATERIAL NOTES: All substances including residuals are disclosed to 1,000 ppm.

ALUMINUM (ALUMINUM)

ID: 7429-90-5

%: 70.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Substrate
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET))

ID: 25038-59-9

#: 29.7500 GS: LT-UNK RC: None NANO: No ROLE: Substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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: 0000-01-

EXPIRY DATE:

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: All

01

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Environmental Product Declaration

CERTIFYING PARTY: Third Party

ISSUE DATE: 2014-06-

EXPIRY DATE: 2019-

CERTIFIER OR LAB: UL Environment

APPLICABLE FACILITIES: Hoisington, KS, USA

06

06-06

CERTIFICATE URL:

<http://ce.superioressex.com/about/environmental/>

CERTIFICATION AND COMPLIANCE NOTES:

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

POLYESTER PULL STRING

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Installers use wire pulling string as a safe means of pulling wire and cable in the installation. When using proper pulling string, it is possible to install cable without harming the installer or the product.

 **Section 5: General Notes**

This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, Pennsylvania on behalf of Superior Essex.

 **Section 6: References**

MANUFACTURER INFORMATION

<p>MANUFACTURER: Superior Essex</p> <p>ADDRESS: 6120 Powers Ferry Road Suite 150 Atlanta GA 30339, USA</p> <p>WEBSITE: http://ce.superioressex.com/</p>	<p>CONTACT NAME: Steve Born</p> <p>TITLE: Sr. Applications Engineer, LEED AP BD+C</p> <p>PHONE: 770-657-6000</p> <p>EMAIL: steve.born@spsx.com</p>
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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

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

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