

# Superior Essex 4-Pair Riser Copper Cable: NextGain Category 6eX by Superior Essex

## Health Product Declaration v2.1

created via: HPDC Online Builder

**CLASSIFICATION:** 27 10 00.00 Communications: Structured Cabling

**PRODUCT DESCRIPTION:** This HPD covers the Superior Essex 4-Pair riser NextGain Category 6eX copper cable. NextGain Category 6eX cable brings UTP performance to a new level. Guaranteed for 7 dB of margin (headroom) over base requirements of CAT 6 NEXT standards, this cable maximizes bandwidth for today's leading edge applications and those of the future. With positive ACR verified beyond 300 MHz, NextGain CAT 6eX cable demonstrates superior capability for ATM, Gigabit Ethernet and other bandwidth intensive applications.

### 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 6 of 6 Materials

- Explanation(s) provided for Residuals/Impurities?
- Yes
  - No

Are All Substances Above the Threshold Indicated:

**Characterized**  Yes  No  
Percent Weight and Role Provided?

**Screened**  Yes  No  
Using Priority Hazard Lists with Results Disclosed?

**Identified**  Yes  No  
Name and Identifier Provided?

#### 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**

**ELECTRICAL CONDUCTOR [ COPPER (COPPER) ]** LT-UNK ] **CROSS WEB SEPARATOR 2 [ POLYETHYLENE (POLYETHYLENE) ]** LT-UNK  
**DECABROMODIPHENYLETHANE (DBDPE)**  
**(DECABROMODIPHENYLETHANE (DBDPE))** BM-1 | PBT | END **ANTIMONY TRIOXIDE (ANTIMONY TRIOXIDE)** BM-1 | MAM | AQU | CAN | MUL ] **RISER INSULATION 1 [ UNDISCLOSED ]** LT-UNK **UNDISCLOSED** BM-1 | PBT | END **UNDISCLOSED** BM-1 | MAM | AQU | CAN | MUL **UNDISCLOSED** LT-UNK | PBT ] **RISER INSULATION 2 [ UNDISCLOSED ]** LT-UNK **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-1 | RES | END **UNDISCLOSED** LT-P1 **UNDISCLOSED** LT-P1 | CAN **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-UNK ] **RISER JACKET 1 [ UNDISCLOSED ]** LT-P1 | RES **UNDISCLOSED** BM-2 | RES **UNDISCLOSED** LT-UNK **UNDISCLOSED** BM-3 **UNDISCLOSED** BM-2 | PBT | END | MUL **UNDISCLOSED** BM-1 | MUL **UNDISCLOSED** LT-UNK **UNDISCLOSED** BM-1 | MAM | AQU | CAN | MUL **UNDISCLOSED** NoGS **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-1 | CAN | END **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-P1 | MUL ] **RISER JACKET 3 [ UNDISCLOSED ]** LT-P1 | RES **UNDISCLOSED** BM-2 | RES **UNDISCLOSED** LT-UNK **UNDISCLOSED** BM-3 **UNDISCLOSED** BM-2 | PBT | END | MUL **UNDISCLOSED** BM-1 | MUL **UNDISCLOSED** LT-UNK **UNDISCLOSED** BM-1 | MAM | AQU | CAN | MUL **UNDISCLOSED** NoGS **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-1 | CAN | END **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-P1 | MUL ]

Number of Greenscreen BM-4/BM3 contents ... 2

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

#### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

**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: 2017-12-05  
PUBLISHED DATE: 2018-03-23  
EXPIRY DATE: 2020-12-05



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

### ELECTRICAL CONDUCTOR

%: 47.0110

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:

### CROSS WEB SEPARATOR 2

%: 7.7490

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.

#### POLYETHYLENE (POLYETHYLENE)

ID: 9002-88-4

%: 75.0000 - 78.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Cross Web Separator Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

**DECABROMODIPHENYLETHANE (DBDPE)  
(DECABROMODIPHENYLETHANE (DBDPE))**

ID: 84852-53-9

%: **16.0000 - 18.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Cross Web Separator 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	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

**ANTIMONY TRIOXIDE (ANTIMONY TRIOXIDE)**

ID: 1309-64-4

%: **5.0000 - 8.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Cross Web Separator 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: Substance ranges based on supplier documentation.

**RISER INSULATION 1**

%: **0.0000 - 10.2600**

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: **Alternate to Riser Insulation 2. All substances including residuals are disclosed to 1,000 ppm.**

#: <b>49.3700</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Copolymer</b>
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.				

#: <b>37.0700</b>	GS: <b>BM-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Copolymer</b>
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	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)		
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport		
SUBSTANCE NOTES: This substance is considered proprietary by the supplier; however, the percentage and health hazards are disclosed.				

#: <b>12.3600</b>	GS: <b>BM-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Additive</b>
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.

#: **0.3300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS: AGENCY(IES) WITH WARNINGS:

PBT EU - ESIS PBT Under PBT evaluation

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

## RISER INSULATION 2

#: **0.0000 - 10.2600**

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: Alternate to Riser Insulation 1. All substances including residuals are disclosed to 1,000 ppm.

#: **97.3700** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Proprietary**

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.

#: **0.7000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Proprietary**

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.

#: **0.6800** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Proprietary**

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

RESPIRATORY EU - GHS (H-Statements) H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

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

#: **0.6500**                      GS: **LT-P1**                      RC: **None**                      NANO: **No**                      ROLE: **Proprietary**

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.

#: **0.4200**                      GS: **LT-P1**                      RC: **None**                      NANO: **No**                      ROLE: **Proprietary**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

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

#: **0.1700**                      GS: **LT-UNK**                      RC: **None**                      NANO: **No**                      ROLE: **Proprietary**

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.

#: **0.0100**                      GS: **LT-UNK**                      RC: **None**                      NANO: **No**                      ROLE: **Proprietary**

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.

**RISER JACKET 1**

#: **0.0000 - 34.9750**

**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: Alternate to Riser Jacket 3. All substances including residuals are disclosed to 1,000 ppm.

%, **38.0000 - 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.

%, **26.0000 - 28.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Flame Retardant**

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.

%, **10.0000 - 12.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Softening 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.

%, **6.5000 - 7.5000** GS: **BM-3** 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.

%, **6.0000 - 7.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Softening Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**PBT**

**OSPAR - Priority PBTs & EDs & equivalent concern**

**PBT - Chemical for Priority Action**

**ENDOCRINE**

**OSPAR - Priority PBTs & EDs & equivalent**

**Endocrine Disruptor - Chemical for Priority Action**



concern

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.

#: **2.0000 - 3.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Flame Retardant**

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.

#: **0.5100 - 0.8500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer**

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.

#: **0.5000 - 1.5000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Flame Retardant**

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.

#: **0.5000 - 1.0000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Smoke Suppressant**

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.

#: **0.4700 - 0.7900**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Stabilizer**

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.

#: **0.2000 - 0.3000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Colorant**

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.

#: **0.1800 - 0.3000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Stabilizer**

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.

#: 0.1500 - 0.2500 GS: LT-P1 RC: None NANO: No ROLE: Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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.

### RISER JACKET 3

#: 0.0000 - 34.9750

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: Alternate to Riser Jacket 1. All substances including residuals are disclosed to 1,000 ppm.

#: 38.0000 - 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.

#: 26.0000 - 28.0000 GS: BM-2 RC: None NANO: No ROLE: Flame Retardant

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.

#: 10.0000 - 12.0000 GS: LT-UNK RC: None NANO: No ROLE: Softening 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.

#: 6.5000 - 7.5000

GS: BM-3

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.

#: 6.0000 - 7.0000

GS: BM-2

RC: None

NANO: No

ROLE: Softening 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.

#: 2.0000 - 3.0000

GS: BM-1

RC: None

NANO: No

ROLE: Flame Retardant

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.

#: 0.5100 - 0.8500

GS: LT-UNK

RC: None

NANO: No

ROLE: Stabilizer

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.

#: 0.5000 - 1.5000

GS: BM-1

RC: None

NANO: No

ROLE: Flame Retardant

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.

#: 0.5000 - 1.0000

GS: NoGS

RC: None

NANO: No

ROLE: Smoke Suppressant

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.

#: 0.4700 - 0.7900

GS: LT-UNK

RC: None

NANO: No

ROLE: Stabilizer

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.

#: **0.2000 - 0.3000**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Colorant**

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.

#: **0.1800 - 0.3000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Stabilizer**

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.

#: **0.1500 - 0.2500**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Stabilizer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**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.

## 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-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **All**

**01-01**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### LCA

### Environmental Product Declaration

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2014-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **Hoisington, KS, USA**

**06-06**

**06-06**

**Environment**

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 applicable Health Product Declarations, if available.*

### 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.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Superior Essex**

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Atlanta GA 30339, USA**

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CONTACT NAME: **Steve Born**

TITLE: **Sr. Applications Engineer, LEED AP BD+C**

PHONE: **770-657-6000**

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## 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.*