# Superior Essex 4-Pair Riser Copper Cable: Category 6 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 Category 6 copper cable. Superior Essex Series 77 product line provides exceptional value for jobs that require standards compliant Category 6 cable at a cost-effective price.

# Section 1: Summary

### **CONTENT INVENTORY**

#### **Inventory Reporting Format**

- Nested Materials Method
- C Basic Method

#### **Threshold Disclosed Per**

Material
 Product

100 ppm
1,000 ppm
Per GHS SDS
Per OSHA MSDS
Other

Threshold level

Residuals/Impurities Residuals/Impurities Considered in 5 of 5 Materials

Explanation(s) provided for Residuals/Impurities?

#### Are All Substances Above the Threshold Indicated:

Characterized • Yes • No Percent Weight and Role Provided?

Nested Method / Product Threshold

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

Identified O Yes O 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 ] 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 ]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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.

#### 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?

C Yes

No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #:

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

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PREPARER: Se

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

ELECTRICAL CONDUCTOR	%: 52.3800	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
%: <b>100.0000</b>	gs: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Conductor	
HAZARDS:	AGENCY(IES) WITH WARNIN	GS:			
None Found	No warnings found c	on HPD Priority lists			
SUBSTANCE NOTES:					

RISER INSULATION 1	%: 0.0000 - 11.9940	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: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Copolymer
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HF	D Priority lists		
SUBSTANCE NOTES: This substance	e is considered proprietary	by the supplier; h	owever, the percentag	ge and health hazards are disclosed.

%: <b>37.0700</b>	GS: <b>BM-1</b>	RC: None	NANO: <b>NO</b>	ROLE: Copolymer
HAZARDS:	AGENCY(IES) WITH WARNING	3S:		
РВТ	OSPAR - Priority PB concern	۲s & EDs & equivalent	PBT - Chemical for F	Priority Action
ENDOCRINE	OSPAR - Priority PB concern	۲s & EDs & equivalent	Endocrine Disruptor	- Chemical for Priority Action
РВТ	ChemSec - SIN List		PBT / vPvB (Persiste Persistent & very Bio	ent, Bioaccumulative, & Toxic / very paccumulative)
РВТ	EHP - San Antonio S	tatement on BFRs & CFRs	Flame retardant subs long range transport	stance class of concern for PB&T &

%: <b>12.3600</b>	GS: <b>BM-1</b>	RC: None	NANO: <b>NO</b>	ROLE: Additive
HAZARDS:	AGENCY(IES) WITH WAR	NINGS:		
MAMMALIAN	EU - R-phrases		R20 - Harmful by In	halation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases		R22 - Harmful if Sw	allowed
ACUTE AQUATIC	EU - R-phrases		R51 - Toxic to Aqua	atic Organisms
CANCER	IARC		Group 2b - Possibly	v carcinogenic to humans
CANCER	CA EPA - Prop 65		Carcinogen	
CHRON AQUATIC	EU - GHS (H-State	ements)	H411 - Toxic to aqu	atic life with long lasting effects
CANCER	EU - GHS (H-State	ements)	H351 - Suspected c	of causing cancer
MULTIPLE	ChemSec - SIN Li	st	CMR - Carcinogen,	Mutagen &/or Reproductive Toxicant
CANCER	МАК		Carcinogen Group 2 man	2 - Considered to be carcinogenic for
CANCER	Japan - GHS		Carcinogenicity - C	ategory 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: <b>No</b>	ROLE: Additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
РВТ	EU - ESIS PBT		Under PBT evaluation	
SUBSTANCE NOTES: This substance	e is considered proprietary b	by the supplier; how	vever, the percentage and	health hazards are disclosed.

%: 0.0000 - 11.9940

PRODUCT THRESHOLD:	1000	ppm
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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.

%: <b>97.3700</b>	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WARNI	INGS:		
None Found	No warnings found	on HPD Priority lists		
SUBSTANCE NOTES: This sul	bstance is considered prop	ietary by the supplie	er; however, the percent	age and health hazards are disclosed
%: <b>0.7000</b>	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WARNI	INGS:		
None Found	No warnings found	on HPD Priority lists		
SUBSTANCE NOTES: This sul	bstance is considered prop	rietary by the supplie	er; however, the percent	age and health hazards are disclosed
%: <b>0.6800</b>	GS: <b>LT-1</b>	RC: None	NANO: <b>NO</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WARNI	INGS:		
RESPIRATORY	AOEC - Asthmagen	IS	Asthmagen (Rs)	- sensitizer-induced
RESPIRATORY	EU - GHS (H-Stater	ments)	H334 - May caus difficulties if inha	e allergy or asthma symptoms or breathin led
ENDOCRINE	EU - SVHC Authoris	sation List	Equivalent Conco	ern - Prioritized for Listing
SUBSTANCE NOTES This SU	hstance is considered prop	ietary by the supplie	er however the percent	age and health hazards are disclosed
SUBSTANCE NOTES. THIS GU		iotary by the supplie		
%: <b>0.6500</b>	GS: <b>LT-P1</b>	RC: None	NANO: <b>NO</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WARNI	INGS:		
None Found	No warnings found	on HPD Priority lists		
SUBSTANCE NOTES: This sul	bstance is considered prop	ietary by the supplie	er; however, the percent	age and health hazards are disclosed

	GS: <b>LT-P1</b>	RC: None	NANO: <b>NO</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WAR	ININGS:		
CANCER	Japan - GHS		Carcinogenicity -	Category 1A
SUBSTANCE NOTES: This sub	ostance is considered prop	orietary by the supplier;	however, the percenta	age and health hazards are disclosed
6: <b>0.1700</b>	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WAR	ININGS:		
None Found	No warnings foun	d on HPD Priority lists		
SUBSTANCE NOTES: This sub	ostance is considered prop	prietary by the supplier;	however, the percenta	age and health hazards are disclosed
6: <b>0.0100</b>	GS: LT-UNK	RC: None	NANO: <b>No</b>	ROLE: Proprietary
HAZARDS:	AGENCY(IES) WITH WAR	NINGS:		
None Found	No warnings foun	d on HPD Priority lists		
	ostance is considered prop	prietary by the supplier;		age and health hazards are disclosed
SUBSTANCE NOTES: This sub	ostance is considered prop			age and health hazards are disclosed
		prietary by the supplier; % <b>: 0.0000</b> -		HPD URL:
SER JACKET 1 DDUCT THRESHOLD: 1000 p SIDUALS AND IMPURITIES NOT siduals were identifie	opm TES: Residuals are con	prietary by the supplier; %: 0.0000 - RESIDUALS ANI sidered as all subst d consultant experti	35.6190 DIMPURITIES CONSIDERE ances including res se regarding the su	HPD URL:
SER JACKET 1 DOUCT THRESHOLD: 1000 p SIDUALS AND IMPURITIES NOT siduals were identifie purities, unreacted in	ppm TES: Residuals are con d through supplier and puts, and residuals we	prietary by the supplier; %: 0.0000 - RESIDUALS ANI sidered as all subst d consultant experti pre marked accordin	35.6190 DIMPURITIES CONSIDERE ances including res se regarding the su gly.	HPD URL: D: Yes iduals are disclosed to 1,000 p
SER JACKET 1 DOUCT THRESHOLD: 1000 p SIDUALS AND IMPURITIES NOT siduals were identifie purities, unreacted in	ppm TES: Residuals are con d through supplier and puts, and residuals we	prietary by the supplier; %: 0.0000 - RESIDUALS ANI sidered as all subst d consultant experti pre marked accordin	35.6190 DIMPURITIES CONSIDERE ances including res se regarding the su gly.	HPD URL: D: Yes iduals are disclosed to 1,000 p ibstances disclosed. Any known
SER JACKET 1 DOUCT THRESHOLD: 1000 p SIDUALS AND IMPURITIES NOT siduals were identifie purities, unreacted inp HER MATERIAL NOTES: Alte	opm TES: Residuals are con d through supplier and puts, and residuals we rnate to Riser Jacket 3	rietary by the supplier; %: 0.0000 - RESIDUALS ANI sidered as all subst d consultant experti ere marked accordin 3. All substances ind RC: None	35.6190 DIMPURITIES CONSIDERE ances including res se regarding the su gly.	HPD URL: D: Yes iduals are disclosed to 1,000 p Ibstances disclosed. Any known e disclosed to 1,000 ppm.
SER JACKET 1 DOUCT THRESHOLD: 1000 p SIDUALS AND IMPURITIES NOT siduals were identifie purities, unreacted inp HER MATERIAL NOTES: Alte	opm TES: Residuals are cons d through supplier and puts, and residuals we rnate to Riser Jacket 3 GS: LT-P1	residuals and RESIDUALS AND sidered as all subst d consultant expertion are marked accordin 3. All substances inconstances	ances including resise regarding the surgely.	HPD URL: D: Yes iduals are disclosed to 1,000 p Ibstances disclosed. Any known e disclosed to 1,000 ppm.

HAZARDS:	AGENCY(IES) WITH WA	RNINGS:		
RESPIRATORY	AOEC - Asthmag	jens	Asthmag only	en (ARs) - sensitizer-induced - inhalable forms
SUBSTANCE NOTES: This sub	stance is considered pro	pprietary by the supp	olier; however, the p	percentage and health hazards are disclosed
%: 10.0000 - 12.0000	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Softening Additive
HAZARDS:	AGENCY(IES) WITH WA	RNINGS:		
None Found	No warnings fou	nd on HPD Priority list	s	
SUBSTANCE NOTES: This sub	stance is considered pro	oprietary by the supp	blier; however, the p	percentage and health hazards are disclosed
%: <b>6.5000 - 7.5000</b>	GS: <b>BM-3</b>	RC: None	NANO: <b>NO</b>	ROLE: Flame Retardant
HAZARDS:	AGENCY(IES) WITH WA	RNINGS:		
HAZARDS: None Found		RNINGS: nd on HPD Priority list	s	
None Found	No warnings fou	nd on HPD Priority list		Dercentage and health hazards are disclosed
None Found	No warnings fou	nd on HPD Priority list oprietary by the supp RC: <b>None</b>	olier; however, the p	
None Found SUBSTANCE NOTES: This subs	No warnings fou stance is considered pro GS: <b>BM-2</b> AGENCY(IES) WITH WA	nd on HPD Priority list oprietary by the supp RC: <b>None</b>	Dier; however, the p	
None Found SUBSTANCE NOTES: This subs %: 6.0000 - 7.0000 HAZARDS:	No warnings fou stance is considered pro GS: <b>BM-2</b> AGENCY(IES) WITH WA OSPAR - Priority concern	nd on HPD Priority list oprietary by the supp RC: <b>None</b>	NANO: <b>No</b>	ROLE: Softening Additive
None Found SUBSTANCE NOTES: This subs 6.0000 - 7.0000 HAZARDS: PBT	No warnings fou stance is considered pro GS: BM-2 AGENCY(IES) WITH WA OSPAR - Priority concern	nd on HPD Priority list oprietary by the supp RC: <b>None</b> RNINGS: PBTs & EDs & equiva	NANO: No	ROLE: Softening Additive
None Found SUBSTANCE NOTES: This subs 6: 6.0000 - 7.0000 HAZARDS: PBT ENDOCRINE	No warnings fou stance is considered pro GS: <b>BM-2</b> AGENCY(IES) WITH WA OSPAR - Priority concern OSPAR - Priority concern	nd on HPD Priority list oprietary by the supp RC: <b>None</b> RNINGS: PBTs & EDs & equiva	NANO: No NANO: No lent PBT - Ch lent Endocrin Fulfills Pl PBT / vP	ROLE: Softening Additive
None Found SUBSTANCE NOTES: This subs (*: 6.0000 - 7.0000 HAZARDS: PBT ENDOCRINE PBT	No warnings fou stance is considered pro GS: <b>BM-2</b> AGENCY(IES) WITH WA OSPAR - Priority concern OSPAR - Priority concern EU - ESIS PBT ChemSec - SIN I	nd on HPD Priority list oprietary by the supp RC: <b>None</b> RNINGS: PBTs & EDs & equiva	NANO: No NANO: No Ient PBT - Ch Ient Endocrin Fulfills P PBT / vP Persister	ROLE: Softening Additive emical for Priority Action e Disruptor - Chemical for Priority Action BT Criteria - Action Deferred vB (Persistent, Bioaccumulative, & Toxic / very
None Found SUBSTANCE NOTES: This subs (*: 6.0000 - 7.0000 HAZARDS: PBT ENDOCRINE PBT PBT PBT	No warnings fou stance is considered pro GS: <b>BM-2</b> AGENCY(IES) WITH WA OSPAR - Priority concern COSPAR - Priority concern EU - ESIS PBT ChemSec - SIN I German FEA - Si Waters	nd on HPD Priority list oprietary by the supp RC: None RNINGS: PBTs & EDs & equiva PBTs & EDs & equiva	NANO: No NANO: No Ient PBT - Ch Ient Endocrin Fulfills PI PBT / vP Persister to Class 2 - s & CFRs Flame re	ROLE: Softening Additive emical for Priority Action e Disruptor - Chemical for Priority Action BT Criteria - Action Deferred vB (Persistent, Bioaccumulative, & Toxic / very et & very Bioaccumulative)

2.0000 - 3.0000	GS: <b>BM-1</b>	RC: None	NANO: <b>NO</b>	ROLE: Flame Retardant
HAZARDS:	AGENCY(IES) WITH WARNIN	GS:		
MULTIPLE	German FEA - Subst Waters	ances Hazardous to	Class 2 - Ha	zard to Waters
SUBSTANCE NOTES: This subs	stance is considered proprie	etary by the supplie	r; however, the perc	centage and health hazards are disclosed
: <b>0.5100 - 0.8500</b>	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer
HAZARDS:	AGENCY(IES) WITH WARNIN	GS:		
None Found	No warnings found o	on HPD Priority lists		
SUBSTANCE NOTES: This subs	stance is considered proprie	etary by the supplie	r; however, the perc	centage and health hazards are disclosed
: 0.5000 - 1.5000	GS: <b>BM-1</b>	RC: None	NANO: <b>No</b>	ROLE: Flame Retardant
HAZARDS:	AGENCY(IES) WITH WARNIN	GS:		
MAMMALIAN	EU - R-phrases		R20 - Harmfu	ul by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases		R22 - Harmfu	ul if Swallowed
ACUTE AQUATIC	EU - R-phrases		R51 - Toxic t	o Aquatic Organisms
CANCER	IARC		Group 2b - F	Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65		Carcinogen	
CHRON AQUATIC	EU - GHS (H-Statem	ents)	H411 - Toxic	to aquatic life with long lasting effects
CANCER	EU - GHS (H-Statem	ents)	H351 - Susp	ected of causing cancer
MULTIPLE	ChemSec - SIN List		CMR - Carci	nogen, Mutagen &/or Reproductive Toxicant
CANCER	МАК		Carcinogen ( man	Group 2 - Considered to be carcinogenic for
CANCER	Japan - GHS		Carcinogenio	city - Category 1B
SUBSTANCE NOTES This subs	stance is considered proprie	etary by the supplie	r; however, the perc	centage and health hazards are disclosed
.: 0.5000 - 1.0000	GS: NoGS	RC: None	NANO: <b>NO</b>	ROLE: Smoke Suppressant

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%: 0.4700 - 0.7900	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer
HAZARDS:	AGENCY(IES) WITH WARN	IINGS:		
None Found	No warnings found	I on HPD Priority lists		
SUBSTANCE NOTES: This substand	ce is considered prop	rietary by the supplier; h	owever, the percentag	e and health hazards are disclosed.
%: 0.2000 - 0.3000	GS: <b>LT-1</b>	RC: None	NANO: <b>NO</b>	ROLE: Colorant
HAZARDS:	AGENCY(IES) WITH WARN	IINGS:		
CANCER	US CDC - Occupat	tional Carcinogens	Occupational Carci	nogen
CANCER	CA EPA - Prop 65		Carcinogen - specif	ic to chemical form or exposure route
CANCER	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	
ENDOCRINE	TEDX - Potential E	ndocrine Disruptors	Potential Endocrine	Disruptor
CANCER	МАК			BA - Evidence of carcinogenic effects establish MAK/BAT value
SUBSTANCE NOTES: This substand	ce is considered prop	rietary by the supplier; h	owever, the percentag	e and health hazards are disclosed.
%: 0.1800 - 0.3000	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer
HAZARDS:	AGENCY(IES) WITH WARN	IINGS:		
None Found	No warnings found	I on HPD Priority lists		
SUBSTANCE NOTES: This substand	ce is considered prop	rietary by the supplier; h	owever, the percentag	e and health hazards are disclosed.
%: 0.1500 - 0.2500	GS: <b>LT-P1</b>	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer
HAZARDS:	AGENCY(IES) WITH WARN	IINGS:		
RESTRICTED LIST	German FEA - Sub Waters	stances Hazardous to	Class 2 - Hazard to	Waters
SUBSTANCE NOTES: This substance	ce is considered prop	rietary by the supplier; h	owever, the percentag	e and health hazards are disclosed.

RISER JACKET 3			0 - 35.6190	HPD URL:		
PRODUCT THRESHOLD: 1000 ppm RES			esiduals and impurities considered: Yes			
	ough supplier and	I consultant expe	ertise regarding t	g residuals are disclosed to 1,000 ppm. ne substances disclosed. Any known		
OTHER MATERIAL NOTES: Alternate	e to Riser Jacket 1	. All substances	including residua	Is are disclosed to 1,000 ppm.		
%: 38.0000 - 40.0000	GS: <b>LT-P1</b>	RC: None	NANO: <b>NO</b>	ROLE: Polymer		
HAZARDS:	AGENCY(IES) WITH WARI	NINGS:				
RESPIRATORY	AOEC - Asthmage	ns	Asthmager	(Rs) - sensitizer-induced		
SUBSTANCE NOTES: This substand	ce is considered prop	prietary by the supp	lier; however, the pe	rcentage and health hazards are disclosed.		
%: 26.0000 - 28.0000	GS: <b>BM-2</b>	RC: None	NANO: <b>NO</b>	ROLE: Flame Retardant		
HAZARDS:	AGENCY(IES) WITH WARI	VINGS:				
RESPIRATORY	AOEC - Asthmage	ns	Asthmager only	(ARs) - sensitizer-induced - inhalable forms		
SUBSTANCE NOTES: This substand	ce is considered prop	prietary by the supp	lier; however, the pe	rcentage and health hazards are disclosed.		
%: 10.0000 - 12.0000	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Softening Additive		
HAZARDS:	AGENCY(IES) WITH WARI	NINGS:				
None Found	No warnings found	d on HPD Priority lists	5			
SUBSTANCE NOTES: This substand	ce is considered prop	prietary by the supp	lier; however, the pe	rcentage and health hazards are disclosed.		
%: 6.5000 - 7.5000	GS: <b>BM-3</b>	RC: None	NANO: <b>No</b>	ROLE: Flame Retardant		
HAZARDS:	AGENCY(IES) WITH WARI	NINGS:				
None Found	No warnings found	d on HPD Priority lists	3			
SUBSTANCE NOTES: This substance	ce is considered prop	prietary by the supp	lier; however, the pe	rcentage and health hazards are disclosed.		

%: 6.0000 - 7.0000	GS: BM-2 RC: None NANC	ROLE: Softening Additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:	
РВТ	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
РВТ	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
РВТ	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 sub:	stance is considered proprietary by the supplier; hov	vever, the percentage and health hazards are disclosed.
%: 2.0000 - 3.0000	GS: BM-1 RC: None NAM	NO: No ROLE: Flame Retardant
%: <b>2.0000 - 3.0000</b> HAZARDS:	GS: <b>BM-1</b> RC: <b>None</b> NAN	NO: No ROLE: Flame Retardant
%: 2.0000 - 3.0000 HAZARDS: MULTIPLE		NO: NO ROLE: Flame Retardant
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed.
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs %: 0.5100 - 0.8500 HAZARDS:	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters stance is considered proprietary by the supplier; how GS: LT-UNK RC: None AGENCY(IES) WITH WARNINGS:	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed.
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs %: 0.5100 - 0.8500	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters stance is considered proprietary by the supplier; how GS: LT-UNK RC: None	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed.
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs %: 0.5100 - 0.8500 HAZARDS: None Found	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters stance is considered proprietary by the supplier; how GS: LT-UNK RC: None AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed.
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs %: 0.5100 - 0.8500 HAZARDS: None Found	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters stance is considered proprietary by the supplier; how GS: LT-UNK RC: None AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists stance is considered proprietary by the supplier; how	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed. NANO: No ROLE: Stabilizer
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs %: 0.5100 - 0.8500 HAZARDS: None Found SUBSTANCE NOTES: This subs	AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters stance is considered proprietary by the supplier; how GS: LT-UNK RC: None AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists stance is considered proprietary by the supplier; how	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed. NANO: No ROLE: Stabilizer vever, the percentage and health hazards are disclosed.
HAZARDS: MULTIPLE SUBSTANCE NOTES: This subs %: 0.5100 - 0.8500 HAZARDS: None Found SUBSTANCE NOTES: This subs %: 0.5000 - 1.5000	AGENCY(IES) WITH WARNINGS:   German FEA - Substances Hazardous to Waters   stance is considered proprietary by the supplier; how   GS: LT-UNK   RC: None   AGENCY(IES) WITH WARNINGS:   No warnings found on HPD Priority lists   stance is considered proprietary by the supplier; how   GS: BM-1 RC: None	Class 2 - Hazard to Waters vever, the percentage and health hazards are disclosed. NANO: No ROLE: Stabilizer vever, the percentage and health hazards are disclosed.

Superior Essex 4-Pair Riser Copper Cable: Category 6 hpdrepository.hpd-collaborative.org

ACUTE AQUATIC	EU - R-phrases		R51 - Toxic to Aqu	atic Organisms		
CANCER	IARC		Group 2b - Possib	ly carcinogenic to humans		
CANCER	CA EPA - Prop 6	5	Carcinogen			
CHRON AQUATIC	EU - GHS (H-Stat	tements)	H411 - Toxic to aq	uatic life with long lasting effects		
CANCER	EU - GHS (H-Stat	tements)	H351 - Suspected	of causing cancer		
MULTIPLE	ChemSec - SIN L	ist	CMR - Carcinogen	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	MAK		Carcinogen Group man	Carcinogen Group 2 - Considered to be carcinogenic for man		
CANCER	Japan - GHS		Carcinogenicity - (	Category 1B		
SUBSTANCE NOTES: This sub	stance is considered pro	prietary by the suppli	er; nowever, the percenta	ge and health hazards are disclosed		
%: 0.5000 - 1.0000	GS: NoGS	RC: None	NANO: NO ROLE:	Smoke Suppressant		
HAZARDS:	AGENCY(IES) WITH WAI	RNINGS:				
None Found	No warnings four	nd on HPD Priority lists				
SUBSTANCE NOTES: This sub	stance is considered pro	prietary by the suppli	er; however, the percentag	ge and health hazards are disclosed		
%: <b>0.4700 - 0.7900</b>	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer		
HAZARDS:	AGENCY(IES) WITH WAI	RNINGS:				
None Found	No warnings four	nd on HPD Priority lists				
SUBSTANCE NOTES: This sub	stance is considered pro	prietary by the suppli	er; however, the percenta	ge and health hazards are disclosed		
%: 0.2000 - 0.3000	GS: <b>LT-1</b>	RC: None	NANO: <b>NO</b>	ROLE: Colorant		
HAZARDS:	AGENCY(IES) WITH WAI	RNINGS:				
CANCER	US CDC - Occup	ational Carcinogens	Occupational Carc	inogen		

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	МАК	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value	

Superior Essex 4-Pair Riser Copper Cable: Category 6 hpdrepository.hpd-collaborative.org

%: 0.1800 - 0.3000	GS: LT-UNK	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer		
HAZARDS:	AGENCY(IES) WITH WARNINGS:					
None Found	No warnings found on HPD Priority lists					
SUBSTANCE NOTES: This substance	is considered proprieta	ry by the supplier; h	owever, the percentage	e and health hazards are disclosed.		
%: 0.1500 - 0.2500	GS: <b>LT-P1</b>	RC: None	NANO: <b>NO</b>	ROLE: Stabilizer		
HAZARDS:	AGENCY(IES) WITH WARNINGS:					
RESTRICTED LIST	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to	Waters		

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: <b>Self-declared</b> APPLICABLE FACILITIES: <b>All</b> CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 0000- 01-01	EXPIRY DATE:	CERTIFIER OR LAB: None
LCA	Environmental Pr	oduct Declaration	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Hoisington, KS, USA CERTIFICATE URL:	ISSUE DATE: 2014- 06-06	EXPIRY DATE: 2019- 06-06	CERTIFIER OR LAB: UL Environment

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

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

**PHY** Physical Hazard (reactive)

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

NF Not found on Priority Hazard Lists

**REP** Reproductive toxicity

LAN Land Toxicity

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)

#### 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

**GLO** Global warming

**MUL** Multiple hazards

**OZO** Ozone depletion

**NEU** Neurotoxicity

MAM Mammalian/systemic/organ toxicity

**PBT** Persistent Bioaccumulative Toxic

#### **Hazard Types**

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation

#### 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 (insuficient 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.