

Name Premises Plenum Fiber Optic Cable: Microarray Data Center Interconnect; Multi-Unit Distribution



Product ID P4xx, 44xx Classification 27 10 00.00 Communications: Structured Cabling

Website www.ce.superioressex.com

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Description This HPD covers the following Superior Essex fiber optic cables:
• Microarray Data Center Interconnect - OFNP
• Multi-Unit Distribution - OFNP

Release Date 2015-02-19 Expiry Date 2018-02-19 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/771/2264-20150219144344.pdf
Certification options: Self-declared, Second Party, Third Party. Certifier and Certificate # fields are present.

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 1000 ppm. Full Disclosure of Intentional Ingredients: No. Full Disclosure of Known Hazards: Yes. Disclosure Notes: (empty)

Contents in Descending Order of Quantity

POLYVINYL CHLORIDE (PVC), Alumina trihydrate, Unknown, Unknown, PARA-ARAMID FIBRILS, GLASS / MINERAL FIBER, POLYETHYLENE TEREPHTHALATE (PET), Ethylene glycol monobutyl ether (EGBE), Unknown, POLYETHYLENE TEREPHTHALATE (PET), Unknown, Undisclosed (Color Concentrate), Unknown, Unknown, Unknown, Tripropylene glycol diacrylate, Unknown, Unknown, Unknown, Unknown, Unknown, Unknown, Undisclosed (Color Concentrate), Unknown, Unknown, Unknown, Unknown, Unknown, Unknown, Undisclosed (Pigment), PENTAERYTHRITOL TETRAACRYLATE, TRIMETHYLOLPROPANE TRIACRYLATE, TETRAETHYL ORTHOSILICATE, Undisclosed (Isobornyl acrylate), POLYACRYLIC ACID, SODIUM SALT, Isopropyl Alcohol, KEVLAR, hydroxycyclohexyl phenyl ketone, Undisclosed (UV Ink Acrylates), 1,6-Hexanediol diacrylate, POLYETHYLENE TEREPHTHALATE (PET), POLYURETHANE, Unknown, diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide, Titanium dioxide, Unknown, Unknown, Polyethylene glycol nonylphenyl ether, 1,6-Hexanediol diacrylate, hydroxycyclohexyl phenyl ketone, TRIS(2-METHOXYETHOXY)VINYLSILANE, Unknown, diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide, PENTAERYTHRITOL TRIACRYLATE, Unknown, Isopropyl Alcohol, Ethylene glycol monobutyl ether (EGBE), Titanium dioxide, COPPER COMPOUNDS, CARBON BLACK, Undisclosed (UV Ink Acrylates), Unknown, Polyethylene glycol nonylphenyl ether, Unknown, Undisclosed (UV Ink Acrylates), GLASS / MINERAL FIBER, Unknown, Titanium dioxide, Unknown, Unknown, Unknown, CARBON BLACK, Unknown, Unknown, Unknown

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory. Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Mammal, Skin or Eye, Aquatic toxicity, Land toxicity, Physical hazard, Global warming, Ozone depletion, Multiple, Unknown.

Total VOC Content Material (g/L) N/A Does the product contain exempt VOCs? N/A Yes No

Regulatory (g/L)

N/A

Are there VOC-free tints available?

N/A

Yes

No

Notes

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**Certifications + Compliance**

VOC Emissions

Not tested

VOC Content

N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
<b>Hazard A</b>	<b>Warning A</b>					
<b>Hazard B</b>	<b>Warning B</b>					
<b>Hazard C</b>	<b>Warning C</b>					
<b>Hazard D</b>	<b>Warning D</b>					
<b>Hazard E</b>	<b>Warning E</b>					
<b>Notes</b>						
<b>POLYVINYL CHLORIDE (PVC)</b>	9002-86-2	25.99 - 35.52 %	LT-U	N	N	Plenum Jacket and Tight Buffer: Jacketing polymer
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
<b>Alumina trihydrate</b>	21645-51-2	21.66 - 31.08 %	2	N	N	Plenum Jacket and Tight Buffer: Flame retardant
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
Range provided by supplier.						
<b>Unknown</b>	Unknown	4.33 - 13.32 %		U	U	Plenum Jacket and Tight Buffer: Plasticizer
Unknown	Not disclosed by supplier					
Range and hazards are provided by the supplier; however, the material was undisclosed.						
<b>Unknown</b>	Unknown	4.33 - 8.88 %		N	N	Plenum Jacket and Tight Buffer: Flame retardant
Unknown	Not disclosed by supplier					
Range and hazards were provided by supplier; ingredient was undisclosed.						
<b>PARA-ARAMID FIBRILS</b>	24938-64-5	1.79 - 5.34 %	LT-U	N	N	Dielectric Aramid Strength Member: Filament yarn
None found	No warnings found on HPD Priority lists					
The range was provided by the supplier.						

<b>GLASS / MINERAL FIBER</b>	65997-17-3	0.75 - 5.23 %	LT-U	N	N	Optical Fiber: Data transmission
None found	No warnings found on HPD Priority lists					
Based on ranges disclosed by suppliers						
<b>POLYETHYLENE TEREPHTHALATE (PET)</b>	25038-59-9	0.25 - 0.52 %	LT-U	U	U	Rip Cord: Thread
None found	No warnings found on HPD Priority lists					
<b>Ethylene glycol monobutyl ether (EGBE)</b>	111-76-2	0.18 - 0.55 %	LT-U	N	N	Dielectric Aramid Strength Member: Yarn coating
CANCER	MAK: Carcinogen Group 4 - Non genotoxic carcinogen with low risk under MAK/BAT levels					
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
The range was provided by the supplier.						
<b>Unknown</b>	Unknown	0.01 - 0.11 %		N	N	Acrylate Polymer Coating: Antioxidant
Unknown	Not disclosed by supplier					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>POLYETHYLENE TEREPHTHALATE (PET)</b>	25038-59-9	0 - 6.23 %	LT-U	N	N	Polyester Tape: Film
None found	No warnings found on HPD Priority lists					
<b>Unknown</b>	Unknown	0 - 2.56 %		N	N	Acrylate Polymer Coating: Oligomer #1
Unknown	Not disclosed by supplier					
This oligomer reacts with other ingredients to create a polymer. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Undisclosed (Color Concentrate)</b>	Undisclosed	0 - 1.78 %	LT-1	N	N	Plenum Jacket and Tight Buffer: Color concentrate (black)
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Material not disclosed by supplier; however, hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 1.78 %	LT-1	N	N	Plenum Jacket and Tight Buffer: Flame retardant
PBT	OR P3: Priority Persistent Pollutant - Tier 1					
CANCER	EU SVHC: Carcinogenic - Banned unless authorised					
DEVELOPMENTAL	G&L Neuro: Developmental neurotoxicant					
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage					
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life					
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					
MULTIPLE	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant)					

Range and hazards were provided by supplier; ingredient was undisclosed.						
<b>Unknown</b>	Unknown	0 - 1.46 %		N	N	Acrylate Polymer Coating: Monomer #1
Unknown	Not disclosed by supplier					
This monomer reacts with other ingredients to create a polymer. The health hazards associated with this monomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Unknown</b>	Unknown	0 - 1.28 %	LT-P1	N	N	Acrylate Polymer Coating: Acrylated monomer
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes.					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin.					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact.					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This monomer reacts with other ingredients to create a polymer. The health hazards associated with this monomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Tripropylene glycol diacrylate</b>	42978-66-5	0 - 0.99 %	LT-P1	N	N	Acrylate Polymer Coating: Oligomer
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This oligomer reacts with other ingredients to create a polymer. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Unknown</b>	Unknown	0 - 0.92 %		U	N	Acrylate Polymer Coating: Oligomer #3
DEVELOPMENTAL	EPA Action: Developmental Effects					
REPRODUCTIVE	EPA Action: Reproductive effects					
MULTIPLE	EPA Action: EPA Chemical of Concern - Action Plan published					
This oligomer reacts with other ingredients to create a polymer. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Unknown</b>	Unknown	0 - 0.92 %		N	N	Acrylate Polymer Coating: Oligomer #2
Unknown	Not disclosed by supplier					
This oligomer reacts with other ingredients to create a polymer. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Unknown</b>	Unknown	0 - 0.89 %		N	N	Plenum Jacket and Tight Buffer: Yellow pigment
Unknown	Not disclosed by supplier					
Range and hazards were provided by supplier; ingredient was undisclosed.						
<b>Unknown</b>	Unknown	0 - 0.89 %		N	N	Plenum Jacket and Tight Buffer: Pigment (orange)

Unknown	Not disclosed by supplier					
Material not disclosed by supplier but hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 0.89 %	LT-U	N	N	Plenum Jacket and Tight Buffer: Color concentrate (blue)
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Material not disclosed by supplier; however, hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 0.89 %	LT-1	N	N	Plenum Jacket and Tight Buffer: Yellow pigment
CANCER	NIOSH-C: Occupational carcinogen					
Range and hazards were provided by supplier; ingredient was undisclosed.						
<b>Undisclosed (Color Concentrate)</b>	Undisclosed	0 - 0.89 %	LT-1	N	N	Plenum Jacket and Tight Buffer: Color concentrate (orange)
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Material not disclosed by supplier; however, hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 0.89 %	LT-1	N	N	Plenum Jacket and Tight Buffer: Flame retardant
CANCER	Prop 65: Cancer					
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
Range and hazards were provided by supplier; ingredient was undisclosed.						
<b>Unknown</b>	Unknown	0 - 0.89 %		N	N	Plenum Jacket and Tight Buffer: Intermediate (yellow)
Unknown	Not disclosed by supplier					
Range and hazards were provided by supplier; ingredient was undisclosed.						
<b>Unknown</b>	Unknown	0 - 0.89 %		N	N	Plenum Jacket and Tight Buffer: Pigment
Unknown	Not disclosed by supplier					
Material not disclosed by supplier; however, hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 0.89 %		N	N	Plenum Jacket and Tight Buffer: Intermediate (blue)
Unknown	Not disclosed by supplier					
Material not disclosed by supplier; however, hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 0.89 %		N	N	Plenum Jacket and Tight Buffer: Intermediate
Unknown	Not disclosed by supplier					
Material not disclosed by supplier; however, hazards and ranges were provided.						
<b>Unknown</b>	Unknown	0 - 0.89 %	LT-U	N	N	Plenum Jacket and Tight Buffer: Orange color concentrate

RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Hazards and percentages provided by supplier; ingredient not disclosed.						
<b>Undisclosed (Pigment)</b>	Undisclosed	0 - 0.89 %	LT-1	N	N	Plenum Jacket and Tight Buffer: Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Material not disclosed by supplier but hazards were.						
<b>PENTAERYTHRITOL TETRAACRYLATE</b>	4986-89-4	0 - 0.78 %	LT-U	N	N	Optical Fiber: Fiber protection coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact.					
Range disclosed by supplier.						
<b>TRIMETHYLOLPROPANE TRIACRYLATE</b>	15625-89-5	0 - 0.78 %	LT-U	N	N	Optical Fiber: Fiber protection coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
Range disclosed by supplier.						
<b>TETRAETHYL ORTHOSILICATE</b>	78-10-4	0 - 0.62 %	LT-U	N	N	Acrylate Polymer Coating: Oligomer
MAMMALIAN	EU R-Phrases: R20: Harmful by inhalation.					
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
This oligomer reacts with other ingredients to create a polymer. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Undisclosed (Isoburnyl acrylate)</b>	Undisclosed	0 - 0.62 %	LT-P1	N	N	Acrylate Polymer Coating: Oligomer
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This oligomer reacts with other ingredients to create a polymer. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>POLYACRYLIC ACID, SODIUM SALT</b>	9003-04-7	0 - 0.59 %	LT-U	N	N	Binder Yarn: Super absorbent
None found	No warnings found on HPD Priority lists					
<b>Isopropyl Alcohol</b>	67-63-0	0 - 0.55 %	LT-U	N	N	Dielectric Aramid Strength Member: Yarn coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
FLAMMABLE	EU H-Statements: H225 Highly flammable liquid and vapour.					
The range was provided by the supplier.						
<b>KEVLAR</b>	26125-61-1	0 - 0.47 %	LT-U	N	N	Rip Cord: Alternate Rip Cord Material
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
This material is an alternate material to the polyester rip cord and may be used instead in the products.						

<b>hydroxycyclohexyl phenyl ketone</b>	947-19-3	0 - 0.42 %	LT-U	N	N	Optical Fiber: Fiber protection coating
None found	No warnings found on HPD Priority lists					
<b>Undisclosed (UV Ink Acrylates)</b>	Undisclosed	0 - 0.42 %	LT-U	N	N	UV Ink: UV Ink Curing
None found	No warnings found on HPD Priority lists					
This oligomer reacts with other ingredients. The health hazards associated with this oligomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>1,6-Hexanediol diacrylate</b>	13048-33-4	0 - 0.42 %	LT-P1	N	N	Optical Fiber: Fiber protection coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>POLYETHYLENE TEREPHTHALATE (PET)</b>	25038-59-9	0 - 0.4 %	LT-U	N	N	Binder Yarn: Yarn
None found	No warnings found on HPD Priority lists					
<b>POLYURETHANE</b>	64440-88-6	0 - 0.38 %	LT-U	N	N	Dielectric Aramid Strength Member: Yarn coating
None found	No warnings found on HPD Priority lists					
The range was provided by the supplier.						
<b>Unknown</b>	Unknown	0 - 0.33 %		N	N	Acrylate Polymer Coating: Monomer #2
Unknown	Not disclosed by supplier					
This monomer reacts with other ingredients to create a polymer. The health hazards associated with this monomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</b>	75980-60-8	0 - 0.31 %	LT-P1	N	N	Optical Fiber: Fiber protection coating
REPRODUCTIVE	EU H-Statements: H361f Suspected of damaging fertility					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>Titanium dioxide</b>	13463-67-7	0 - 0.31 %	LT-1	N	N	Polyester Tape: Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>Unknown</b>	Unknown	0 - 0.29 %		N	N	Acrylate Polymer Coating: Photoinitiator #1
Unknown	Not disclosed by supplier					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						



<b>Unknown</b>	Unknown	0 - 0.29 %	LT-P1	N	N	Acrylate Polymer Coating: Additive
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Polyethylene glycol nonylphenyl ether</b>	9016-45-9	0 - 0.27 %	LT-P1	N	N	Dielectric Aramid Strength Member: Yarn coating
ENDOCRINE	EU ED: Category 1 - In vivo evidence of endocrine disruption activity (also in OSPAR, SIN)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters (also in EPA Action)					
PBT	OSPAR: PBT - Chemical for Priority Action					
DEVELOPMENTAL	EPA Action: Developmental Effects					
REPRODUCTIVE	EPA Action: Reproductive effects					
CHRON AQUATIC	EPA Action: Highly toxic to aquatic organisms					
The range was provided by the supplier.						
<b>1,6-Hexanediol diacrylate</b>	13048-33-4	0 - 0.26 %	LT-P1	N	N	Optical Fiber: Fiber protection coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Range disclosed by supplier.						
<b>hydroxycyclohexyl phenyl ketone</b>	947-19-3	0 - 0.26 %	LT-U	N	N	Optical Fiber: Fiber protection coating
None found	No warnings found on HPD Priority lists					
Range disclosed by supplier.						
<b>TRIS(2-METHOXYETHOXY)VINYLSILANE</b>	1067-53-4	0 - 0.21 %	LT-U	N	N	Optical Fiber: Fiber protection coating
None found	No warnings found on HPD Priority lists					
<b>Unknown</b>	Unknown	0 - 0.18 %	LT-P1	N	N	Acrylate Polymer Coating: Photoinitiator #2
REPRODUCTIVE	EU H-Statements: H361f Suspected of damaging fertility					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</b>	75980-60-8	0 - 0.13 %	LT-P1	N	N	Optical Fiber: Fiber protection coating
REPRODUCTIVE	EU H-Statements: H361f Suspected of damaging fertility					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Range disclosed by supplier.						

<b>PENTAERYTHRITOL TRIACRYLATE</b>	3524-68-3	0 - 0.05 %	LT-U	N	N	Optical Fiber: Fiber protection coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
<b>Unknown</b>	Unknown	0 - 0.05 %		N	N	Acrylate Polymer Coating: Additive #1
Unknown	Not disclosed by supplier					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Isopropyl Alcohol</b>	67-63-0	0 - 0.05 %	LT-U	N	N	Rip Cord: Alternate Rip Cord Coating Material
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
FLAMMABLE	EU H-Statements: H225 Highly flammable liquid and vapour.					
This material is an alternate material to the polyester rip cord and may be used instead in the products.						
<b>Ethylene glycol monobutyl ether (EGBE)</b>	111-76-2	0 - 0.05 %	LT-U	N	N	Rip Cord: Alternate Rip Cord Coating Material
CANCER	MAK: Carcinogen Group 4 - Non genotoxic carcinogen with low risk under MAK/BAT levels					
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
This material is an alternate coating material for the rip cord.						
<b>Titanium dioxide</b>	13463-67-7	0 - 0.05 %	LT-1	N	N	UV Ink: Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>COPPER COMPOUNDS</b>		0 - 0.05 %	LT-1	N	N	UV Ink: Pigments
DEVELOPMENTAL	Prop 65: Developmental toxicity					
<b>CARBON BLACK</b>	1333-86-4	0 - 0.05 %	LT-1	N	N	UV Ink: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>Undisclosed (UV Ink Acrylates)</b>	Undisclosed	0 - 0.05 %	LT-P1	N	N	UV Ink: UV Ink Curing
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced (also in EU R-Phrases, EU H-Statements, MAK)					
MAMMALIAN	EU R-Phrases: R23: Toxic by inhalation. (also in EU H-Statements)					
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact.					

ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This ingredient reacts with other ingredients. The health hazards associated with this ingredient are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Unknown</b>	Unknown	0 - 0.04 %	LT-U	N	N	Acrylate Polymer Coating: Monomer #3
MAMMALIAN	EU R-Phrases: R24: Toxic in contact with skin.					
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction					
This monomer reacts with other ingredients to create a polymer. The health hazards associated with this monomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Polyethylene glycol nonylphenyl ether</b>	9016-45-9	0 - 0.03 %	LT-P1	N	N	Rip Cord: Alternate Rip Cord Coating Material
ENDOCRINE	EU ED: Category 1 - In vivo evidence of endocrine disruption activity (also in OSPAR, SIN)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters (also in EPA Action)					
PBT	OSPAR: PBT - Chemical for Priority Action					
DEVELOPMENTAL	EPA Action: Developmental Effects					
REPRODUCTIVE	EPA Action: Reproductive effects					
CHRON AQUATIC	EPA Action: Highly toxic to aquatic organisms					
This material is an alternate material to the polyester rip cord and may be used instead in the products.						
<b>Unknown</b>	Unknown	0 - 0.02 %	LT-P1	N	N	Acrylate Polymer Coating: Adhesion promoter
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Undisclosed (UV Ink Acrylates)</b>	Undisclosed	0 - 0.02 %	LT-P1	N	N	UV Ink: UV Ink Curing
MAMMALIAN	EU R-Phrases: R24: Toxic in contact with skin. (also in EU H-Statements)					
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction (also in EU R-Phrases)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This ingredient reacts with other ingredients. The health hazards associated with this ingredient are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>GLASS / MINERAL FIBER</b>	65997-17-3	0 - 0.01 %	LT-U	N	N	Central Strength Member: Strength Reinforcement
None found	No warnings found on HPD Priority lists					
Range provided by supplier.						
<b>Unknown</b>	Unknown	0 - 0.01 %		N	N	Acrylate Polymer Coating: Additive #2

Unknown	Not disclosed by supplier					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Titanium dioxide</b>	13463-67-7	0 %	LT-1	N	N	Rip Cord: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Unknown</b>	Unknown	0 %		N	N	Acrylate Polymer Coating: Stabilizer #2
Unknown	Not disclosed by supplier					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Unknown</b>	Unknown	0 %	LT-U	N	N	Acrylate Polymer Coating: Inhibitor
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Unknown</b>	Unknown	0 %	LT-U	N	N	Acrylate Polymer Coating: Monomer #5
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes.					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin.					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact.					
This monomer reacts with other ingredients to create a polymer. The health hazards associated with this monomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>CARBON BLACK</b>	1333-86-4	0 %	LT-1	N	N	UV Strong Process Black Ink: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Unknown</b>	Unknown	0 %		N	N	Acrylate Polymer Coating: Monomer #4
Unknown	Not disclosed by supplier					
This monomer reacts with other ingredients to create a polymer. The health hazards associated with this monomer are not necessarily relevant to the reacted product; however, this polymer has not been classified under the Chemical Abstract Service.						
<b>Unknown</b>	Unknown	0 %		N	N	Acrylate Polymer Coating: Stabilizer
Unknown	Not disclosed by supplier					
This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.						
<b>Unknown</b>	Unknown	0 %		N	N	Central Strength Member: Polymeric Binder
Unknown	Not disclosed by supplier					
This binder is proprietary to the supplier; however, the full potential health hazards were disclosed.						

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification	Certifier or Laboratory
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	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Other				

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	

**NOTES**

The material weight ranges are based on the heaviest weight cable(s) in the product family. This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, Pennsylvania on behalf of Superior Essex.