

Name Premises Plenum Fiber Optic Cable: 3 mm Interlock Armored, Microarray Breakout



Product ID L4xx Classification 27 10 00.00 Communications: Structured Cabling

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Description This HPD covers the Superior Essex 3 mm Interlock Armored, Microarray Breakout - OFCP fiber optic cable.

Release Date 2015-02-19  Self-declared  
Expiry Date 2018-02-19  Second Party Certifier  
HPD URL <https://tool.hpdcollaborative.org/uploads/files/hpds/771/2253-20150219142947.pdf>  Third Party Certificate #

### SUMMARY DISCLOSURE

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

Residuals Disclosure  Measured 100 ppm (ideal)  Measured 1000 ppm  Predicted by process chemistry  As per MSDS (1,000 & 10,000 ppm)  Not disclosed  Other

Full Disclosure of Intentional Ingredients  Yes  No  
Full Disclosure of Known Hazards  Yes  No  
Disclosure Notes

### Contents in Descending Order of Quantity

ALUMINUM , POLYVINYL CHLORIDE (PVC) , Alumina trihydrate , PARA-ARAMID FIBRILS , GLASS / MINERAL FIBER , Unknown , Unknown , Ethylene glycol monobutyl ether (EGBE) , Undisclosed (UV Ink Acrylates) , GLASS / MINERAL FIBER , Undisclosed (UV Ink Acrylates) , Unknown , Unknown , Undisclosed (UV Ink Acrylates) , Unknown , Unknown , Unknown , Tripropylene glycol diacrylate , Unknown , Unknown , TRIMETHYLOLPROPANE TRIACRYLATE , PENTAERYTHRITOL TETRAACRYLATE , Isopropyl Alcohol , Undisclosed (Isoburnyl acrylate) , TETRAETHYL ORTHOSILICATE , POLYURETHANE , hydroxycyclohexyl phenyl ketone , 1,6-Hexanediol diacrylate , Unknown , Undisclosed (Color Concentrate) , diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide , Unknown , Polyethylene glycol nonylphenyl ether , Unknown , Unknown , hydroxycyclohexyl phenyl ketone , 1,6-Hexanediol diacrylate , TRIS(2-METHOXYETHOXY)VINYLSILANE , Unknown , Unknown , Undisclosed (Color Concentrate) , Unknown , Unknown , Unknown , Undisclosed (Pigment) , Unknown , Unknown , Unknown , Unknown , Unknown , Unknown , Unknown , diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide , POLYETHYLENE TEREPHTHALATE (PET) , KEVLAR , Unknown , PENTAERYTHRITOL TRIACRYLATE , Unknown , COPPER COMPOUNDS , CARBON BLACK , Titanium dioxide , Ethylene glycol monobutyl ether (EGBE) , Unknown , Isopropyl Alcohol , Polyethylene glycol nonylphenyl ether , Titanium dioxide , Unknown , Unknown , Unknown , Unknown , CARBON BLACK , 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 Regulatory (g/L) N/A Does the product contain exempt VOCs?  N/A  Yes  No Are there VOC-free tints available?  N/A  Yes  No

Notes

**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>ALUMINUM</b>	7429-90-5	83.62 %	LT-P1	N	N	Interlock Armor: Mechanical protection
ENDOCRINE	TEDX: Potential Endocrine Disruptor					
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
FLAMMABLE	EU H-Statements: H228 Flammable solid					
REACTIVE	EU H-Statements: H261 In contact with water releases flammable gases					
<b>POLYVINYL CHLORIDE (PVC)</b>	9002-86-2	2.83 - 3.78 %	LT-U	N	N	Plenum Jacket and Tight Buffer: Jacketing polymer
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
<b>Alumina trihydrate</b>	21645-51-2	2.36 - 3.3 %	2	N	N	Plenum Jacket and Tight Buffer: Flame retardant
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
Range provided by supplier.						
<b>PARA-ARAMID FIBRILS</b>	24938-64-5	1.84 - 3.6 %	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	0.94 - 3.13 %	LT-U	N	N	Optical Fiber: Data transmission
None found	No warnings found on HPD Priority lists					
Based on ranges disclosed by suppliers						
<b>Unknown</b>	Unknown	0.47 - 1.42 %		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	0.47 - 0.94 %		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>Ethylene glycol monobutyl ether (EGBE)</b>	111-76-2	0.18 - 0.37 %	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>Undisclosed (UV Ink Acrylates)</b>	Undisclosed	0.13 - 0.19 %	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>GLASS / MINERAL FIBER</b>	65997-17-3	0.05 %	LT-U	N	N	Central Strength Member: Strength Reinforcement
None found	No warnings found on HPD Priority lists					
Range provided by supplier.						
<b>Undisclosed (UV Ink Acrylates)</b>	Undisclosed	0.02 %	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	VwWwS: 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	0.01 - 0.07 %		N	N	Acrylate Polymer Coating: Antioxidant
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Unknown  
Not disclosed by supplier

This ingredient is proprietary to the supplier; however, the hazards have been fully disclosed.

<b>Unknown</b>	Unknown	0.01 %		N	N	Central Strength Member: Polymeric Binder
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Unknown  
Not disclosed by supplier

This binder is proprietary to the supplier; however, the full potential health hazards were disclosed.

<b>Undisclosed (UV Ink Acrylates)</b>	Undisclosed	0.01 %	LT-P1	N	N	UV Ink: UV Ink Curing
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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>Unknown</b>	Unknown	0 - 1.53 %		N	N	Acrylate Polymer Coating: Oligomer #1
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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 - 0.88 %		N	N	Acrylate Polymer Coating: Monomer #1
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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 - 0.77 %	LT-P1	N	N	Acrylate Polymer Coating: Acrylated monomer
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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 - 0.59 %	LT-P1	N	N	Acrylate Polymer Coating: Oligomer
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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	VwWwS: 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 - 0.55 %		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 - 0.55 %		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>TRIMETHYLOLPROPANE TRIACRYLATE</b>	15625-89-5	0 - 0.47 %	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>PENTAERYTHRITOL TETRAACRYLATE</b>	4986-89-4	0 - 0.47 %	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>Isopropyl Alcohol</b>	67-63-0	0 - 0.37 %	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>Undisclosed (Isoburnyl acrylate)</b>	Undisclosed	0 - 0.37 %	LT-P1	N	N	Acrylate Polymer Coating: Oligomer
MULTIPLE	VwWwS: 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>TETRAETHYL ORTHOSILICATE</b>	78-10-4	0 - 0.37 %	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>POLYURETHANE</b>	64440-88-6	0 - 0.26 %	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>hydroxycyclohexyl phenyl ketone</b>	947-19-3	0 - 0.25 %	LT-U	N	N	Optical Fiber: Fiber protection coating
None found	No warnings found on HPD Priority lists					
<b>1,6-Hexanediol diacrylate</b>	13048-33-4	0 - 0.25 %	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>Unknown</b>	Unknown	0 - 0.2 %		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>Undisclosed (Color Concentrate)</b>	Undisclosed	0 - 0.19 %	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>diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</b>	75980-60-8	0 - 0.19 %	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>Unknown</b>	Unknown	0 - 0.19 %	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>Polyethylene glycol nonylphenyl ether</b>	9016-45-9	0 - 0.18 %	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>Unknown</b>	Unknown	0 - 0.18 %		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 - 0.18 %	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>hydroxycyclohexyl phenyl ketone</b>	947-19-3	0 - 0.16 %	LT-U	N	N	Optical Fiber: Fiber protection coating
None found	No warnings found on HPD Priority lists					
Range disclosed by supplier.						
<b>1,6-Hexanediol diacrylate</b>	13048-33-4	0 - 0.16 %	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>TRIS(2-METHOXYETHOXY)VINYLSILANE</b>	1067-53-4	0 - 0.13 %	LT-U	N	N	Optical Fiber: Fiber protection coating
None found	No warnings found on HPD Priority lists					
<b>Unknown</b>	Unknown	0 - 0.11 %	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.						
Unknown	Unknown	0 - 0.09 %		N	N	Plenum Jacket and Tight Buffer: Yellow pigment
Unknown	Not disclosed by supplier					
Range and hazards were provided by supplier; ingredient was undisclosed.						
Undisclosed (Color Concentrate)	Undisclosed	0 - 0.09 %	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.						
Unknown	Unknown	0 - 0.09 %	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.						
Unknown	Unknown	0 - 0.09 %		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.						
Unknown	Unknown	0 - 0.09 %	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.						
Undisclosed (Pigment)	Undisclosed	0 - 0.09 %	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.						
Unknown	Unknown	0 - 0.09 %		N	N	Plenum Jacket and Tight Buffer: Pigment
Unknown	Not disclosed by supplier					
Material not disclosed by supplier; however, hazards and ranges were provided.						
Unknown	Unknown	0 - 0.09 %	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.						
Unknown	Unknown	0 - 0.09 %		N	N	Plenum Jacket and Tight Buffer: Intermediate (yellow)
Unknown	Not disclosed by supplier					
Range and hazards were provided by supplier; ingredient was undisclosed.						
Unknown	Unknown	0 - 0.09 %	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 - 0.09 %		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 - 0.09 %		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>diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</b>	75980-60-8	0 - 0.08 %	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>POLYETHYLENE TEREPHTHALATE (PET)</b>	25038-59-9	0 - 0.08 %	LT-U	U	U	Rip Cord: Thread
None found	No warnings found on HPD Priority lists					
<b>KEVLAR</b>	26125-61-1	0 - 0.07 %	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>Unknown</b>	Unknown	0 - 0.03 %		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>PENTAERYTHRITOL TRIACRYLATE</b>	3524-68-3	0 - 0.03 %	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 - 0.02 %	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 Health Product Declaration v1.0 - hpdcollaborative.org - Page 10 of 13						

reacted product; however, this polymer has not been classified under the Chemical Abstract Service.

<b>COPPER COMPOUNDS</b>		0 - 0.02 %	LT-1	N	N	UV Ink: Pigments
DEVELOPMENTAL	Prop 65: Developmental toxicity					
<b>CARBON BLACK</b>	1333-86-4	0 - 0.02 %	LT-1	N	N	UV Ink: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>Titanium dioxide</b>	13463-67-7	0 - 0.02 %	LT-1	N	N	UV Ink: Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>Ethylene glycol monobutyl ether (EGBE)</b>	111-76-2	0 - 0.01 %	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>Unknown</b>	Unknown	0 - 0.01 %	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>Isopropyl Alcohol</b>	67-63-0	0 - 0.01 %	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>Polyethylene glycol nonylphenyl ether</b>	9016-45-9	0 %	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>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)					
Unknown	Unknown	0 %		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.						
Unknown	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.						
Unknown	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.						
Unknown	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.						
CARBON BLACK	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)					
Unknown	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.						
Unknown	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.						

### 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
	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.