

CLASSIFICATION: 27 10 00

PRODUCT DESCRIPTION: Category 6A, plenum (CMP), 4-pair, F/UTP shielded copper cable. Copper conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by a low smoke, flame retardant PVC jacket.

Section 1: Summary

CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in	Based on the selected Content Inventory Threshold:	
<input type="radio"/> 100 ppm	0 of 13 materials	Characterized.....	<input type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 2: Material Notes	Are the Percent Weight and Role provided for all substances?	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per GHS SDS	<input type="radio"/> see Section 5: General Notes	Screened.....	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per OSHA MSDS		Are all substances screened using Priority Hazard Lists with results disclosed?	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Other		Identified.....	<input type="radio"/> Yes <input checked="" type="radio"/> No
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	

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

COPPER CONDUCTOR [COPPER **LT-P1**] PLENUM JACKET [POLYVINYL CHLORIDE (PVC) **LT-UNK** | RES ALUMINA TRIHYDRATE **BM-2** | RES UNDISCLOSED **LT-UNK** | SKI | AQU UNDISCLOSED **BM-2** | PBT | END | MUL UNDISCLOSED **LT-UNK** UNDISCLOSED **BM-3** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | AQU UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-1** | CAN ANTIMONY TRIOXIDE **BM-1** | MAM | CAN | AQU | MUL UNDISCLOSED UNDISCLOSED **BM-1** | AQU | RES | MUL UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK**] PLENUM WIRE INSULATION [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** UNDISCLOSED **LT-UNK** | SKI | AQU BORON NITRIDE (BN) **LT-UNK**] FIBERGLASS TAPE [GLASS / MINERAL FIBER **LT-UNK** UNDISCLOSED **LT-UNK**] FEP CROSSWEB [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK**] ALUM/PET TAPE [POLYETHYLENE TEREPHTHALATE (PET) **LT-UNK** ALUMINUM **LT-P1** | RES | PHY | END] 7/32 TC DRAIN WIRE [COPPER **LT-P1** TIN **LT-UNK**] BLUE JACKETING PIGMENT [UNDISCLOSED **LT-UNK** UNDISCLOSED **BM-3** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | RES UNDISCLOSED **LT-UNK**] FEP WHITE COLOR CONCENTRATE [SILICA, AMORPHOUS **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | RES 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK**] FEP BLUE COLOR CONCENTRATE [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** C.I. PIGMENT BLUE 28 **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN SILICA, AMORPHOUS **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | RES] FEP ORANGE COLOR CONCENTRATE [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** BISMUTH VANADIUM TETRAOXIDE **LT-UNK** | MUL UNDISCLOSED **LT-P1** | AQU | MUL UNDISCLOSED **LT-UNK**] FEP GREEN COLOR CONCENTRATE [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** SILICA, AMORPHOUS **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | RES UNDISCLOSED **LT-UNK** | RES UNDISCLOSED **LT-UNK** UNDISCLOSED **UNK** UNDISCLOSED **LT-UNK**] FEP BROWN COLOR CONCENTRATE [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** C.I. PIGMENT BROWN 33 **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-1** | CAN | MUL UNDISCLOSED **LT-UNK** SILICA, AMORPHOUS **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | RES]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

LCA: Environmental Product Declaration

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: July 20, 2016	EXPIRY DATE*: July 20, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: July 20, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

COPPER CONDUCTOR %: 31.9500 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

COPPER

ID: 7440-50-8

%: 100.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Conductivity

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

PLENUM JACKET %: 22.6300 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 40.0000 - 50.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Jacketing Material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 20.0000 - 40.0000

GS: BM-2

RC: None

NANO: NO

ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES:

UNDISCLOSED

%: 5.0000 - 25.0000 GS: LT-UNK RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES:

UNDISCLOSED

%: 1.0000 - 15.0000 GS: BM-2 RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
PBT	EU - ESIS PBT	Fulfills PBT Criteria - Action Deferred
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment

SUBSTANCE NOTES:

UNDISCLOSED

%: 1.0000 - 10.0000 GS: LT-UNK RC: None NANO: NO ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 1.0000 - 5.0000 GS: BM-3 RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.1000 - 5.0000 GS: LT-UNK RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.1000 - 5.0000 GS: LT-UNK RC: None NANO: NO ROLE: Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R52 - Harmful to Aquatic Organisms

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 5.0000 GS: LT-UNK RC: None NANO: NO ROLE: Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 5.0000 GS: LT-1 RC: None NANO: NO ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

ANTIMONY TRIOXIDE

ID: 1309-64-4

%: 0.0000 - 10.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Flame Retardant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 1.0000	GS:	RC: None	NANO: NO	ROLE: Lubricant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 5.0000 GS: BM-1 RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 5.0000 GS: LT-UNK RC: None NANO: NO ROLE: Lubricant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 5.0000 GS: LT-UNK RC: None NANO: NO ROLE: Lubricant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

PLENUM WIRE INSULATION %: 15.0900 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE ID: 25067-11-2

%: 95.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Wire insulation

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.8000 - 25.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Charring Agent 3

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

ACUTE AQUATIC

EU - R-phrases

R52 - Harmful to Aquatic Organisms

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES: This substance is proprietary but the health hazards have been disclosed.

BORON NITRIDE (BN)

ID: 10043-11-5

%: 0.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Foaming Agent

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FIBERGLASS TAPE

%: 12.9800 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

GLASS / MINERAL FIBER

ID: 65997-17-3

%: 60.0000 - 70.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Glass Fiber Fabric

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 30.0000 - 40.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Non-halogen
Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is proprietary to the supplier; however, the supplier has disclosed that there are no associated health hazards based on the HPD Priority lists from this substance.

FEP CROSSWEB

%: 9.6300 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

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

ID: 25067-11-2

%: 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Crossweb
Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ALUM/PET TAPE

%: 4.4100 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 60.0000 - 70.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Film

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ALUMINUM

ID: 7429-90-5

%: 30.0000 - 40.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Foil

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: This substance is an alloyed metal so the exposure and risk of these hazards is significantly lower than the pure elemental form. The HPDC is currently developing guidance on the special conditions on alloyed metals.

7/32 TC DRAIN WIRE

%: 2.9600 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

COPPER

ID: 7440-50-8

%: 97.0000 - 100.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Drain Wire Conductor
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TIN

ID: 7440-31-5

%: 1.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Oxidation Inhibition
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BLUE JACKETING PIGMENT

%: 0.1800 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

UNDISCLOSED

%: 0.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Colored Pigment
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The substance and its formulation ranges in this material is considered proprietary to the supplier; however, this substance has been screened against the relevant HPD hazard lists.

UNDISCLOSED

%: 0.0000 - 100.0000

GS: BM-3

RC: None

NANO: NO

ROLE: Non-phthalate Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The substance and its formulation ranges in this material is considered proprietary to the supplier; however, this substance has been screened against the relevant HPD hazard lists.

UNDISCLOSED

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The substance and its formulation ranges in this material is considered proprietary to the supplier; however, this substance has been screened against the relevant HPD hazard lists.

UNDISCLOSED

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Carrier Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: The substance and its formulation ranges in this material is considered proprietary to the supplier; however, this substance has been screened against the relevant HPD hazard lists.

UNDISCLOSED

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Extender Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The substance and its formulation ranges in this material is considered proprietary to the supplier; however, this substance has been screened against the relevant HPD hazard lists.

FEP WHITE COLOR CONCENTRATE %: 0.0800 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

SILICA, AMORPHOUS

ID: 7631-86-9

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 100.0000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES:

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

ID: 25067-11-2

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Carrier Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FEP BLUE COLOR CONCENTRATE %: 0.0200 **HPD URL:**

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes:

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

ID: 25067-11-2

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Carrier Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

C.I. PIGMENT BLUE 28

ID: 1345-16-0

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 100.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

SILICA, AMORPHOUS

ID: 7631-86-9

%: 0.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Pigment
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Pigment
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Pigment
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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SUBSTANCE NOTES:

FEP ORANGE COLOR CONCENTRATE %: 0.0200 HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes:

1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE ID: 25067-11-2

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Carrier Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BISMUTH VANADIUM TETRAOXIDE

ID: 14059-33-7

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-P1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases R50 - Very Toxic to Aquatic Organisms

ACUTE AQUATIC

EU - GHS (H-Statements) H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements) H410 - Very toxic to aquatic life with long lasting effects

MULTIPLE

German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes:

1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE ID: 25067-11-2

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Carrier Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SILICA, AMORPHOUS

ID: 7631-86-9

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 100.0000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

#: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES:

UNDISCLOSED

#: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

#: 0.0000 - 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

#: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

Material Notes:

1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE ID: 25067-11-2

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Carrier Resin

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

C.I. PIGMENT BROWN 33

ID: 68186-88-9

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

CANCER

EU - R-phrases

R45 - May cause cancer

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SILICA, AMORPHOUS

ID: 7631-86-9

%: 0.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 100.0000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

LCA

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Two facilities in the Southeastern region of the US

CERTIFICATE URL:

<http://www.panduit.com/ccurl/957/585/environmental%20product%20decl-cat6a-plenum.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

Environmental Product Declaration

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-03-31	2021-03-31	UL Environment

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.

Section 5: General Notes

This Health Product Declaration was completed by Sustainable Solutions Corporation.



MANUFACTURER INFORMATION

MANUFACTURER: Panduit Corp.

CONTACT NAME: Technical Support

ADDRESS: 18900 Panduit Dr
Tinley Park, IL 60487
United States

TITLE: .

PHONE: 8664056654

WEBSITE: <http://www.panduit.com/>

EMAIL: TechSupport@panduit.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.