

PUP6AM04**-UG TX6A™ 10 Gig™ Category 6A U/UTP Advanced MaTriX CMP by Panduit Corporation

Health Product Declaration v2.0

CLASSIFICATION: 27 10 00

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

created via: HPDC Online Builder

Section 1: Summary

CONTENT INVENTORY

<p>Threshold per material</p> <ul style="list-style-type: none"> <input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input type="radio"/> Other 	<p>Residuals and impurities considered in</p> <p>0 of 14 materials</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> see Section 2: Material Notes <input type="radio"/> see Section 5: General Notes 	<p>Based on the selected Content Inventory Threshold:</p> <p>Characterized..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are the Percent Weight and Role provided for all substances?</p> <p>Screened..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are all substances screened using Priority Hazard Lists with results disclosed?</p> <p>Identified..... <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Are all substances disclosed by Name (Specific or Generic) and Identifier?</p>
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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.

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

Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1

Nanomaterial..... No

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** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | AQU UNDISCLOSED **LT-UNK** | SKI | AQU UNDISCLOSED **BM-2** | PBT | END | MUL UNDISCLOSED **BM-3** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-1** | CAN ANTIMONY TRIOXIDE **BM-1** | MAM | CAN | AQU | MUL UNDISCLOSED **UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **BM-1** | AQU | RES | MUL UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-1** | PBT | END | MUL UNDISCLOSED **LT-UNK**] PLENUM INSULATION [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** BORON NITRIDE (BN) **LT-UNK**] BARRIER TAPE [SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) **LT-UNK** | CAN POLYETHYLENE TEREPHTHALATE (PET) **LT-UNK** UNDISCLOSED **UNK**] MATRIX TAPE [POLYETHYLENE TEREPHTHALATE (PET) **LT-UNK** ALUMINUM **LT-P1** | RES | END | PHY] PAIR SEPARATOR [POLYETHER SULFONE **UNK** 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK**] BLUE JACKETING PIGMENT [POLYVINYL CHLORIDE (PVC) **LT-UNK** | RES UNDISCLOSED **LT-UNK** UNDISCLOSED **BM-3** UNDISCLOSED **LT-1** | CAN UNDISCLOSED **LT-1** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **BM-3** UNDISCLOSED **UNK**] RIP CORD [NYLON 6 **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 UNDISCLOSED **LT-UNK** UNDISCLOSED **BM-3**] FEP ORANGE COLOR CONCENTRATE [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** UNDISCLOSED **LT-P1** | 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 **BM-2** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-P1** | MUL] FEP BROWN COLOR CONCENTRATE [1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE **LT-UNK** UNDISCLOSED **BM-1** SILICA, AMORPHOUS **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-1** | CAN | MUL UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** | RES] FEP WHITE 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**] UNVOLATILE ORGANIC COMPOUND (VOC) CONTENT

INVENTORY AND SCREENING NOTES:

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: November 1, 2016	EXPIRY DATE*: November 1, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: November 1, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			

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 %: 31.0000 - 36.0000 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: Conductor

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

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

PLENUM JACKET %: 19.0000 - 30.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYVINYL CHLORIDE (PVC) ID: 9002-86-2

%: 35.0000 - 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 - 42.0000 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

%: 1.0000 - 14.0000 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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

%: 0.0000 - 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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

%: 0.0000 - 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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

%: 0.0000 - 5.0000	GS: BM-3	RC: None	NANO: NO	ROLE: Flame Retardant
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

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

UNDISCLOSED

%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Stabilizer
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

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

UNDISCLOSED

%: 0.0000 - 5.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Colorant
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

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

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 - 5.0000	GS: UNK	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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

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

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

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

UNDISCLOSED

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

HAZARDS:

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

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

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

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

UNDISCLOSED

%: 0.0000 - 1.0000 GS: LT-1 RC: None NANO: NO ROLE: Plenum Jacket Plasticizer

HAZARDS:

PBT

EU - ESIS PBT

AGENCY(IES) WITH WARNINGS:

Fulfills PBT Criteria - Action Deferred

ENDOCRINE

OSPAR - Priority PBTs & EDs & equivalent concern

Endocrine Disruptor - Chemical for Priority Action

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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

UNDISCLOSED

%: 0.0000 - 0.1000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Thermal Stabilizer

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

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

PLENUM INSULATION

%: 17.0000 - 23.0000 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

%: 80.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Copolymer

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BORON NITRIDE (BN)

ID: 10043-11-5

%: 0.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Foaming Agent

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BARRIER TAPE

%: 7.0000 - 14.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

%: 0.0000 - 70.0000 GS: LT-UNK RC: None NANO: NO ROLE: Glass Fiber Fabric

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER EU - R-phrases R40 - Limited Evidence of Carcinogenic Effects
CANCER EU - GHS (H-Statements) H351 - Suspected of causing cancer

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.0000 - 4.0000 GS: 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 but the health hazards have been disclosed.

MATRIX TAPE

%: 7.0000 - 13.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 38.0000 - 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 - 62.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Foil

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

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

SUBSTANCE NOTES:

PAIR SEPARATOR

%: 4.0000 - 8.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYETHER SULFONE

ID: 25667-42-9

%: 0.0000 - 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: Pair Separator

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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: Pair Separator

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BLUE JACKETING PIGMENT

%: 0.0000 - 1.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES:

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

%: 0.0000 - 100.0000 GS: BM-3 RC: None NANO: NO ROLE: Colored Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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

UNDISCLOSED

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

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

UNDISCLOSED

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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

UNDISCLOSED

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

#: 0.0000 - 100.0000 GS: UNK RC: None NANO: NO ROLE: Thermal Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

RIP CORD

#: 0.0000 - 0.5000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

NYLON 6

ID: 25038-54-4

#: 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Rip Cord

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FEP BLUE COLOR CONCENTRATE #: 0.0000 - 0.5000 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 - specific to chemical form or exposure route
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

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

%: 0.0000 - 100.0000 GS: BM-3 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

FEP ORANGE COLOR CONCENTRATE %: 0.0000 - 0.5000 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:

UNDISCLOSED

%: 0.0000 - 100.0000 GS: LT-P1 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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

FEP GREEN COLOR CONCENTRATE %: 0.0000 - 0.5000 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:

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 - specific to chemical form or exposure route

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

#: 0.0000 - 100.0000

GS: BM-2

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

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

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

#: 0.0000 - 100.0000

GS: LT-P1

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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:

UNDISCLOSED

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

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

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

SILICA, AMORPHOUS

ID: 7631-86-9

%: 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:

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARDS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

UNDISCLOSED

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

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: This substance is proprietary to the supplier but the health hazards have been disclosed.

FEP WHITE COLOR CONCENTRATE %: 0.0000 - 1.0000 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:

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 - specific to chemical form or exposure route
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
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

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

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

UNDISCLOSED

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

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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

DRAIN WIRE

%: 0.0000 - 2.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

COPPER

ID: 7440-50-8

%: 89.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Drain Wire
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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

%: 0.0000 - 11.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Drain Wire Coating
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:


Section 3: Certifications and Compliance - Draft Version

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 - Draft Version

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 - Draft Version

This Health Product Declaration was completed by Sustainable Solutions Corporation.



MANUFACTURER INFORMATION

MANUFACTURER: Panduit Corporation

CONTACT NAME: Technical Support

ADDRESS: 18900 Panduit Dr
Tinley Park, IL 60487
USA

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.