

# GenSPEED® 6 Category 6 and GenSPEED® 10 Category 6A F/UTP (ScTP) Plenum Cable by Prysmian Group

## Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 22081

CLASSIFICATION: 27 10 00 Structured Cabling

PRODUCT DESCRIPTION: GenSPEED® 6 Category 6 F/UTP (ScTP), Part number: 6131785. This Category 6 standards-compliant cable employs a foil shield to reduce electromagnetic interference (EMI) for optimal performance. GenSPEED® 10 Category 6A F/UTP (ScTP), Part number: 7141586. GenSPEED 10 Category 6A F/UTP is an overall shielded cable, requiring grounding and providing 6 dB of guaranteed headroom over the ANSI/TIA 568.2-D standard for alien crosstalk (PSANEXT and PSAACRF). The internal separator optimizes internal pair geometry to yield superior electrical performance while maintaining flexibility. Both cables are rated to 105°C for greater protection against increased operating temperatures, and are UL Listed CMP-LP (0.7A) and able to support PoE applications up to 140 watts using 50 volts over four pairs.

### Section 1: Summary

### Nested Method / Product Threshold

#### CONTENT INVENTORY

##### Inventory Reporting Format

- Nested Materials Method
- Basic Method

##### Threshold Disclosed Per

- Material
- Product

##### Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

##### Residuals/Impurities

Residuals/Impurities  
Considered in 13 of 13 Materials

Explanation(s) provided  
for Residuals/Impurities?

- Yes
- No

All Substances Above the Threshold Indicated Are:

Characterized  Yes Ex/SC  Yes  No  
% weight and role provided for all substances.

Screened  Yes Ex/SC  Yes  No  
All substances screened using Priority Hazard Lists with results disclosed.

Identified  Yes Ex/SC  Yes  No  
One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

#### 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 | MUL ] PLENUM WIRE INSULATION [ 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE LT-UNK UNDISCLOSED LT-UNK | SKI BORON NITRIDE (BN) LT-UNK ] PLENUM JACKET [ POLYVINYL CHLORIDE (PVC) LT-P1 | RES ALUMINA TRIHYDRATE BM-2 UNDISCLOSED LT-UNK | SKI UNDISCLOSED BM-2 | PBT | MUL UNDISCLOSED LT-UNK UNDISCLOSED BM-3 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 UNDISCLOSED LT-1 | CAN | END ANTIMONY TRIOXIDE BM-1 | CAN | MUL UNDISCLOSED NoGS UNDISCLOSED BM-1 | RES | AQU | END | MUL UNDISCLOSED LT-P1 UNDISCLOSED LT-P1 | END ] ALUM/PET TAPE [ POLYETHYLENE TEREPHTHALATE (PET) LT-UNK ALUMINUM BM-1 | PHY | END | RES ] 24 AWG SOLID TC DRAIN WIRE [ COPPER LT-P1 | MUL TIN LT-UNK ] PES ULTRASON [ POLYETHER SULFONE NoGS ] MYLAR TAPE [ POLYETHYLENE TEREPHTHALATE (PET) LT-UNK ] UNDISCLOSED [ SILICA, AMORPHOUS BM-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-P1 | CAN UNDISCLOSED BM-2 | RES 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE LT-UNK ] BLUE JACKETING PIGMENT [ UNDISCLOSED BM-3 UNDISCLOSED BM-3dq UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | RES UNDISCLOSED BM-3 ] UNDISCLOSED [ 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE LT-UNK C.I. PIGMENT BLUE 28 LT-1 | RES | CAN | GEN TITANIUM DIOXIDE LT-1 | CAN | END SILICA, AMORPHOUS BM-1 | CAN UNDISCLOSED LT-P1 | CAN UNDISCLOSED BM-2 | RES ] UNDISCLOSED [ 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE LT-UNK SILICA, AMORPHOUS BM-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-P1 | CAN UNDISCLOSED BM-2 | RES UNDISCLOSED BM-2 | CAN UNDISCLOSED LT-1 | RES | CAN ] UNDISCLOSED [ 1-PROPENE, 1,1,2,3,3,3-HEXAFLUORO-, POLYMER WITH TETRAFLUOROETHENE LT-UNK BISMUTH VANADIUM TETRAOXIDE BM-1 | MUL UNDISCLOSED LT-P1 | AQU | MUL UNDISCLOSED LT-P1 ] UNDISCLOSED [ 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 BM-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-P1 | CAN UNDISCLOSED BM-2 | RES ]

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest concern GreenScreen  
Benchmark or List translator Score ... BM-1  
Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

The product was disclosed to 1000 parts per million or 0.1%

#### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

#### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: VOC Emissions

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2020-10-02

PUBLISHED DATE: 2020-10-02

EXPIRY DATE: 2023-10-02

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### COPPER CONDUCTOR

#: 35.6700

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES:

### COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-10-02

#: 100.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Conductor

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

### PLENUM WIRE INSULATION

#: 24.3200

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES:

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

ID: 25067-11-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **95.0000 - 100.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Insulator**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.8000 - 25.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 5.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Blowing agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**PLENUM JACKET**%: **22.8500**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES:

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **40.0000 - 50.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Insulator**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **20.0000 - 40.0000**GS: **BM-2**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>5.0000 - 25.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Flame retardant</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>SKIN IRRITATION</b>	<b>EU - GHS (H-Statements)</b>	<b>H315 - Causes skin irritation</b>		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>1.0000 - 15.0000</b>	GS: <b>BM-2</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Flame retardant</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>PBT</b>	<b>OSPAR - Priority PBTs &amp; EDs &amp; equivalent concern</b>	<b>PBT - Chemical for Priority Action</b>		
<b>PBT</b>	<b>EU - ESIS PBT</b>	<b>Fulfills PBT Criteria - Action Deferred</b>		
<b>PBT</b>	<b>ChemSec - SIN List</b>	<b>PBT / vPvB (Persistent, Bioaccumulative, &amp; Toxic / very Persistent &amp; very Bioaccumulative)</b>		
<b>MULTIPLE</b>	<b>German FEA - Substances Hazardous to Waters</b>	<b>Class 2 - Hazard to Waters</b>		
<b>PBT</b>	<b>EHP - San Antonio Statement on BFRs &amp; CFRs</b>	<b>Flame retardant substance class of concern for PB&amp;T &amp; long range transport</b>		
<b>RESTRICTED LIST</b>	<b>US EPA - PPT Chemical Action Plans</b>	<b>TSCA Work Plan chemical - ongoing chemical (risk) assessment</b>		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>1.0000 - 10.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Plasticizer</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>1.0000 - 5.0000</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Flame retardant</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

%: **0.1000 - 5.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.****UNDISCLOSED**%: **0.1000 - 5.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.****UNDISCLOSED**%: **0.0000 - 5.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.****UNDISCLOSED**%: **0.0000 - 5.0000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	AGENCY AND LIST TITLES	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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: **The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.****ANTIMONY TRIOXIDE**ID: **1309-64-4**%: **0.0000 - 10.0000**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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
CANCER	GHS - Japan	Carcinogenicity - Category 1B [H350]

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

#### UNDISCLOSED

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 1.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Lubricant</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

#### UNDISCLOSED

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 5.0000</b>	GS: <b>BM-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Flame retardant</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
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		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

#### UNDISCLOSED

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 5.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Lubricant</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

#### UNDISCLOSED

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 5.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Lubricant</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

## ALUM/PET TAPE

%: 8.0500

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES CONSIDERED: Yes      MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES:

### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2020-10-02

%: 60.0000 - 70.0000      GS: LT-UNK      RC: None      NANO: No      SUBSTANCE ROLE: Film former

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

### ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2020-10-02

%: 30.0000 - 40.0000      GS: BM-1      RC: None      NANO: No      SUBSTANCE ROLE: Insulator

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

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.

## 24 AWG SOLID TC DRAIN WIRE

%: 3.6600

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES CONSIDERED: Yes      MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES:

**COPPER**

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **97.0000 - 100.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Conductor**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

**TIN**

ID: 7440-31-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **1.0000 - 3.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Antioxidant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

**PES ULTRASON**%: **3.1300**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Polymeric Material**RESIDUALS AND IMPURITIES NOTES: **Residuals and Impurities were considered and determined to below the 1000 ppm threshold.**

OTHER MATERIAL NOTES:

**POLYETHER SULFONE**

ID: 25667-42-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **80.0000 - 100.0000**GS: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Structure component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

**MYLAR TAPE**%: **1.4400**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Polymeric Material**RESIDUALS AND IMPURITIES NOTES: **Residuals and Impurities were considered and determined to below the 1000 ppm threshold.**

OTHER MATERIAL NOTES:

**POLYETHYLENE TEREPHTHALATE (PET)**

ID: 25038-59-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **100.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:



PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Other: Colorant

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES: This material and its formulation is considered proprietary to the supplier; however, this material has been fully screened and the health hazards have been fully disclosed.

**SILICA, AMORPHOUS**

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

#: **0.0000 - 100.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

#: **0.0000 - 100.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

#: **0.0000 - 100.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

#: **0.0000 - 100.0000** GS: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

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

ID: 25067-11-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

#: **0.0000 - 100.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Carrier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**BLUE JACKETING PIGMENT**

**#: 0.3600**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: **Residuals and Impurities were considered and determined to below the 1000 ppm threshold.**

OTHER MATERIAL NOTES:

**UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **BM-3**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard 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**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **BM-3dg**RC: **None**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard 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**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard 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**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Carrier**

HAZARD TYPE

AGENCY AND LIST TITLES

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**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **BM-3**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard 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.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Other: Colorant

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES: This material and its formulation is considered proprietary to the supplier; however, this material has been fully screened and the health hazards have been fully disclosed.

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

ID: 25067-11-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-10-02

#: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Carrier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**C.I. PIGMENT BLUE 28**

ID: 1345-16-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-10-02

#: 0.0000 - 100.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-10-02

#: 0.0000 - 100.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**SILICA, AMORPHOUS**

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-10-02

#: 0.0000 - 100.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>BM-2</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

%: **0.0400**

PRODUCT THRESHOLD: <b>1000 ppm</b>	RESIDUALS AND IMPURITIES CONSIDERED: <b>Yes</b>	MATERIAL TYPE: <b>Other: Colorant</b>
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RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES: This material and its formulation is considered proprietary to the supplier; however, this material has been fully screened and the health hazards have been fully disclosed.

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

ID: **25067-11-2**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Carrier</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**SILICA, AMORPHOUS**

ID: **7631-86-9**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>BM-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]		
CANCER	GHS - Australia	H350i - May cause cancer by inhalation		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

%: **0.0000 - 100.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

%: **0.0000 - 100.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

%: **0.0000 - 100.0000** GS: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

%: **0.0000 - 100.0000** GS: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-10-02**

%: **0.0000 - 100.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

**%: 0.0400**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Other: Colorant**

RESIDUALS AND IMPURITIES NOTES: **Residuals and Impurities were considered and determined to below the 1000 ppm threshold.**

OTHER MATERIAL NOTES: **This material and its formulation is considered proprietary to the supplier; however, this material has been fully screened and the health hazards have been fully disclosed.**

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

ID: 25067-11-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Carrier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**BISMUTH VANADIUM TETRAOXIDE**

ID: 14059-33-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**%: **0.0400**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Other: Colorant**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to below the 1000 ppm threshold.

OTHER MATERIAL NOTES: This material and its formulation is considered proprietary to the supplier; however, this material has been fully screened and the health hazards have been fully disclosed.

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

ID: 25067-11-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-10-02**%: **0.0000 - 100.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Carrier**



HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

**C.I. PIGMENT BROWN 33**

ID: 68186-88-9

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.				

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
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		
CANCER	GHS - Australia	H350 - May cause cancer		
SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.				

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.				

**SILICA, AMORPHOUS**

ID: 7631-86-9

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
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%: <b>0.0000 - 100.0000</b>	GS: <b>BM-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]		
CANCER	GHS - Australia	H350i - May cause cancer by inhalation		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**TITANIUM DIOXIDE**

ID: **13463-67-7**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	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		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

**UNDISCLOSED**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-10-02</b>		
%: <b>0.0000 - 100.0000</b>	GS: <b>BM-2</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		

SUBSTANCE NOTES: The formulation range and the material content is proprietary to the supplier; however the known health hazards of each substance have been disclosed.

## 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.*

### VOC EMISSIONS

### VOC Emissions

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-09-15**

EXPIRY DATE:

CERTIFIER OR LAB: **Self Declared**

APPLICABLE FACILITIES: **All Facilities**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **N/A for Product Type**

## 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.*

No accessories are required for this product.

## Section 5: General Notes

This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, PA on behalf of General Cable.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Prysmian Group**  
 ADDRESS: **4 Tesseneer Rd**  
**Highland Heights KY 41076, United States**  
 WEBSITE: **https://www.prysmiangroup.com/en**

CONTACT NAME: **Matt Marcus**  
 TITLE: **Product Line Management**  
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*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

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

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

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

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*