

CLASSIFICATION: 09 72 00 Finishes: Wall Coverings

PRODUCT DESCRIPTION: DuPont™ Tedlar™ Wallcoverings offer exceptional stain and abrasion resistance. They provide a protective barrier against most staining agents and cleaning solvents, including: bleach, alcohols, ketones (acetone, MEK) and even strong acids and alkalis. This barrier ensures staining agents can be easily cleaned, leaving an undamaged, good-as-new appearance that can be maintained over a long period of time. DuPont™ Tedlar™ Wallcoverings Essentials Collection meets Type I vinyl wallcovering standards – meeting or exceeding criteria for: CCC-W-408D, ASTM F793, ASTM E84, NFPA 286, ASTM G21, JIS Z 2801. Made in the USA. This HPD covers DuPont™ Tedlar™ Wallcoverings in all available styles and colors of the Essentials I, Essentials II, Essentials III, and Essentials IV Collections. Also includes CSI Classification 09 72 16 Finishes: Vinyl-Coated Fabric Wall Coverings.

**Section 1: Summary**

**Nested Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold level**

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

**Residuals/Impurities**

- Residuals/Impurities Considered in 5 of 5 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 except SC substances characterized according to SC guidance.*

**Screened**  Yes Ex/SC  Yes  No

*All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.*

**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.*

**Threshold Disclosed Per**

- Material
- Product

**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**

PVC FILM [ POLYVINYL CHLORIDE (PVC) LT-P1 | RES LIMESTONE, CALCIUM CARBONATE LT-UNK UNDISCLOSED BM-3dg TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-UNK WATER BM-4 UNDISCLOSED LT-P1 | MUL UNDISCLOSED BM-2 | MAM | CAN UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | AQU | SKI | EYE | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK CARBON BLACK LT-1 | CAN UNDISCLOSED NoGS UNDISCLOSED NoGS QUARTZ LT-1 | CAN UNDISCLOSED LT-P1 UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 UNDISCLOSED NoGS UNDISCLOSED LT-UNK ] WOVEN FABRIC SUBSTRATE [ POLYETHYLENE TEREPHTHALATE (PET) LT-UNK SC:COTTON Not Screened POLY(VINYL ALCOHOL) LT-UNK ACID MODIFIED, CORN STARCH NoGS ] TEDLAR™PVF FILM [ POLYVINYL FLUORIDE LT-UNK WATER BM-4 ] BASE SUBSTRATE ADHESIVE [ UNDISCLOSED LT-1 | CAN | DEL | MUL | END | REP UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | RES ] TEDLAR™FLEXIBLE PRODUCT ADHESIVE [ UNDISCLOSED LT-UNK TOLUENE LT-1 | DEL | REP | PHY | MAM | SKI | END | MUL ISOPROPYL ALCOHOL BM-2 | PHY | EYE ]

Number of Greenscreen BM-4/BM3 contents ... 2

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

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Substances "Not Screened" are those with Special Conditions exceptions (Biological Materials). Substances not "Identified" are those considered proprietary to suppliers.

**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: UL/GreenGuard Gold Certified

VOC emissions: UL/GreenGuard Certified

Other: Mold Resistance - Claim Validation

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

Yes

No

PREPARER: **Elixir Environmental**

VERIFIER: **Vertima**

VERIFICATION #: **Ute-9051**

SCREENING DATE: **2019-10-31**

PUBLISHED DATE: **2019-12-10**

EXPIRY DATE: **2022-10-31**



## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### PVC FILM

#: 81.10 - 84.60

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: PVC film printed with water-based inks, which is adhered between Tedlar™ PVF Film and a Fabric Substrate. Percent by weight of material given as a range to account for variations between available colors and patterns (15 oz or 20 oz wallcoverings). Printing ink substances were considered at the maximum use rate possible for all colors available.

### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-31

#: 50.00 - 60.00

GS: LT-P1

RC: None

NANO: No

ROLE: Base Polymer; Printing Ink Carrier

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Percent by weight disclosed as range in order to further protect supplier's proprietary formulation, and to account for possible variances in manufacturing. Supplier has confirmed that no detectable residual monomer remains in finished product.

### LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-31

#: 10.00 - 15.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. May also include CASRN 471-34-1 (BM-3 | NO). Percent by weight disclosed as range in order to further protect supplier's proprietary formulation, and to account for possible variances in manufacturing.

**UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-10-31**%: **10.00 - 15.00**GS: **BM-3dg**RC: **None**NANO: **No**ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Percent by weight disclosed as range in order to further protect supplier's proprietary formulation, and to account for possible variances in manufacturing. GreenScreen Benchmark® assessment score of BM-3 was provided by the HPD Builder Tool. (EE-1EJZJGKG)

**TITANIUM DIOXIDE**ID: **13463-67-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-10-31**%: **1.00 - 12.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Pigment; Filler**

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: Percent by weight disclosed as range in order to further protect supplier's proprietary formulation, and to account for possible variances in manufacturing. Identified on the US EPA Safer Chemical Ingredient List. Form-specific hazards: airborne particles of respirable size – occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including those with Form-Specific Hazards such as Titanium Dioxide. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was "determined to be Benchmark 2 using the full GS (GreenScreen) method" (<http://ow.ly/Z5ken>).

**UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-10-31**%: **1.00 - 5.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range in order to further protect supplier's proprietary formulation, and to account for possible variances in manufacturing. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-1WGISAKX)

## WATER

ID: 7732-18-5

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.70 - 1.50**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. GreenScreen Benchmark® assessment score of BM-4 was provided by the HPD Builder Tool.

## UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.50 - 0.60**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-8M7XOPP0)

## UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.30 - 0.40**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

CANCER

MAK

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

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool. (EE-H1ELU1PR)

## UNDISCLOSED

#: **0.20 - 0.30** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-78ZH62HC)

**UNDISCLOSED**

#: **0.20 - 0.30** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-9ZOB0IQV)

**UNDISCLOSED**

#: **0.20 - 0.30** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-3W626ICB)

**UNDISCLOSED**

#: **0.10 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range in order to further protect supplier's proprietary formulation, and to account for possible variances in manufacturing. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-CXYWVV8N)

## UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.10 - 0.20** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-755HRLHD)

## UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.10 - 0.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

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

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-6AU8CXTG)

## UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.10 - 0.20** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-X234YWKL)

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**

%: **0.00 - 0.20**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Printing Ink Polymer**

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

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-GV53LCF3)

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**

%: **0.00 - 0.20**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Printing Ink Polymer**

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

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-HCEFGCXO)

**CARBON BLACK**

ID: **1333-86-4**

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

HAZARD SCREENING DATE: **2019-10-31**

%: **0.00 - 0.30**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Printing Ink 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
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Carbon Black is one of several compounds with warnings restricted to unbound/respirable forms. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Carbon Black.

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**



#: 0.00 - 0.30

GS: NoGS

RC: None

NANO: No

ROLE: Printing Ink Polymer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-P0TN1HHJ)

### UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **Impurity/Residual**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: Potential impurity of plasticizer as per supplier SDS and Pharos CML. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-GISRZ1U0)

### QUARTZ

ID: **14808-60-7**

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

HAZARD SCREENING DATE: **2019-10-31**

#: **Impurity/Residual**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Potential impurity of Calcium Carbonate (1317-65-3). Quartz is one of several compounds with warnings restricted to respirable forms (Silica, crystalline - airborne particles of respirable size). Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Quartz/Silica.

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.00 - 0.20**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-WC2WAFIF)

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.00 - 0.20**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-7LQDCINC)

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.00 - 0.20**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-39NFIL18)

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.00 - 0.20**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-WMJ7R2KX)

### UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.00 - 0.20**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-0JAFCO5S)

### UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-31**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Printing Ink Polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percent by weight disclosed as range due to various colors available. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-30R4GP3A)

### WOVEN FABRIC SUBSTRATE

#: **10.70 - 12.80**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Base substrate to which Printed PVC Film is adhered. Percent by weight of material given as a range to account for variations between available colors and patterns (15 oz or 20 oz wallcoverings).

### POLYETHYLENE TEREPHTHALATE (PET)

ID: **25038-59-9**

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

HAZARD SCREENING DATE: **2019-10-31**

#: **74.00 - 80.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Fabric Substrate**

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

SUBSTANCE NOTES: Percent by weight of substance given as a range due to disclosure preference of supplier.

**SC:COTTON**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-31**

%: **10.00 - 15.00**     
 GS: **Not Screened**     
 RC: **None**     
 NANO: **No**     
 ROLE: **Fabric Substrate**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23  
 Category: Plant-based materials  
 Identifier: Gossypium sp.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Percent by weight of substance given as a range due to disclosure preference of supplier.

**POLY(VINYL ALCOHOL)**

ID: **9002-89-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-31**

%: **0.60 - 1.80**     
 GS: **LT-UNK**     
 RC: **None**     
 NANO: **No**     
 ROLE: **Sizing Additive**

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

SUBSTANCE NOTES: Percent by weight of substance given as a range due to supplier disclosure preference.

**ACID MODIFIED, CORN STARCH**

ID: **65996-63-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-31**

%: **0.40 - 1.20**     
 GS: **NoGS**     
 RC: **None**     
 NANO: **No**     
 ROLE: **Sizing Additive**

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

SUBSTANCE NOTES: Percent by weight of substance given as a range due to disclosure preference of supplier.



%: **40.00 - 50.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Plasticizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Some Evidence of Adverse Effects - Developmental Toxicity
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects

SUBSTANCE NOTES: Percent by weight of substance given as a range due to disclosure preference of supplier. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-NQJ6WYVM)

### UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-31**

%: **20.00 - 30.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Copolymer**

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

SUBSTANCE NOTES: Percent by weight of substance given as a range due to disclosure preference of supplier. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-UTLL963R)

### UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-31**

%: **10.00 - 20.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

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

SUBSTANCE NOTES: Identified on US EPA Safer Chemicals Ingredient List. Percent by weight of substance given as a range due to disclosure preference of supplier. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-6M9CQPS7)

### UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-31**

%: **10.00 - 20.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Polymer**

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

SUBSTANCE NOTES: Percent by weight of substance given as a range due to disclosure preference of supplier. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. (EE-VZB70N50)

## TEDLAR™ FLEXIBLE PRODUCT ADHESIVE

#: 0.60 - 0.80

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Adhesive used to adhere Tedlar™ PVF Film to Printed PVC Film. Percent by weight of material given as a range to account for variations between available colors and patterns (15 oz or 20 oz wallcoverings).

### UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-31

#: 65.00 - 70.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder

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

SUBSTANCE NOTES: Percent by weight of substance reported as range in order to further protect the proprietary nature of this formulation. This substance is held as proprietary by the manufacturer. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

### TOLUENE

ID: 108-88-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-31

#: 15.00 - 20.00

GS: LT-1

RC: None

NANO: No

ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A [H360]

SUBSTANCE NOTES: Percent by weight of substance reported as range in order to further protect the proprietary nature of this formulation. Calculated amount in the final product is <0.2%. However, GREENGUARD Certification Test Report confirms the chamber concentration for Toluene is 93.6 ug/m3 (0.09 ug/L) at 168 hours.

## ISOPROPYL ALCOHOL

ID: 67-63-0

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

HAZARD SCREENING DATE: **2019-10-31**

#: **10.00 - 15.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Percent by weight of substance reported as range in order to further protect the proprietary nature of this formulation. Identified on US EPA Safer Chemicals Ingredient List. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.



## 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

### UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2018-11-30**      EXPIRY DATE: **2019-11-30**      CERTIFIER OR LAB: **UL**  
APPLICABLE FACILITIES: **All**  
CERTIFICATE URL: <https://spot.ul.com/main-app/products/catalog/?keywords=tedlar>

CERTIFICATION AND COMPLIANCE NOTES: **UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.** Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment with an air change of 0.82 hr-1 and a loading of 94.60 m2; and Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment with an air change of 0.68 hr-1 and a loading of 33.40 m2. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. Includes Certificate Numbers: (Essentials I) 133475-420, 133476-420, 133477-420, 133478-420, 133479-420; (Essentials II) 133480-420, 133481-420, 133482-420, 133483-420, 133484-420; (Essentials III) 144376-420; 144377-420; 144380-420; 144381-420; 144382-420; (Essentials IV) 144383-420; 144384-420; 144385-420; 144386-420; 144387-420.

### VOC EMISSIONS

### UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2018-11-30**      EXPIRY DATE: **2019-11-30**      CERTIFIER OR LAB: **UL**  
APPLICABLE FACILITIES: **All**  
CERTIFICATE URL: <https://spot.ul.com/main-app/products/catalog/?keywords=tedlar>

CERTIFICATION AND COMPLIANCE NOTES: **UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.** Wall finishes are determined compliant using an Office Environment with an air change of 0.68 hr-1 and a loading of 33.40 m2. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1. Includes Certificate Numbers: (Essentials I) 133475-410, 133476-410, 133477-410, 133478-410, 133479-410; (Essentials II) 133480-410, 133481-410, 133482-410, 133483-410, 133484-410; (Essentials III) 144376-410; 144377-410; 144380-410; 144381-410; 144382-410; (Essentials IV) 144383-410; 144384-410; 144385-410; 144386-410; 144387-410.

### OTHER

### Mold Resistance - Claim Validation

CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2019-01-16**      EXPIRY DATE: **2020-01-15**      CERTIFIER OR LAB: **UL**  
APPLICABLE FACILITIES: **All**  
CERTIFICATE URL: <https://spot.ul.com/main-app/products/catalog/?keywords=tedlar>

CERTIFICATION AND COMPLIANCE NOTES: **Claim: Validated by testing developed in compliance with ASTM D 6329-98 (2008), Standard Guide for Developing Methodology for Evaluating the Ability of indoor Materials to Support Microbial Growth Using Static Environmental Chambers.** Method: Mold Resistant per UL 2824. Includes Certificate Numbers: (Essentials I) 133475-4170, 133476-4170, 133477-4170, 133478-4170, 133479-4170; (Essentials II) 133480-4170, 133481-4170, 133482-4170, 133483-4170, 133484-4170; (Essentials III) 144376-4170; 144377-4170; 144380-4170; 144381-4170; 144382-4170; (Essentials IV) 144383-4170; 144384-4170; 144385-4170; 144386-4170; 144387-4170.

## 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



## MANUFACTURER INFORMATION

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MANUFACTURER: **DuPont Specialty Products USA, LLC**

ADDRESS: **200 Powder Mill Road**

**Wilmington DE 19803, USA**

WEBSITE:

<http://www.tedlarwallcoverings.dupont.com/>

CONTACT NAME: **Nathaniel R. Schwartz**

TITLE: **Senior Technical Service Consultant**

PHONE: **+1 302.695.3215**

EMAIL: **Nathaniel.R.Schwartz@dupont.com**

## KEY

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**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

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

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

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

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

**NoGS** 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 Terms

#### 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.*