

HPD UNIQUE IDENTIFIER: 3582023674880

CLASSIFICATION: 12 05 13 Fabrics

PRODUCT DESCRIPTION: Polyester fabric for commercial office applications. This HPD covers the following 15 Milliken Textile Styles: Speaker Fabric (065100), Annex (062720), Beacon (062207), Nematic (062760), Photon (062271), Reflect (062928), Twister (062744), Zest (062296), Element (063404), Levity (063734), Murmur (063633), Crossroad (063741), Helios (063729), Ransom (062916), and Rhythm (068150).

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
<input type="radio"/> Nested Materials Method <input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other	<input checked="" type="radio"/> Completed <input type="radio"/> Partially Completed <input type="radio"/> Not Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No Provided weight and role.
Threshold Disclosed Per <input type="radio"/> Material <input checked="" type="radio"/> Product		Explanation(s) provided : <input checked="" type="radio"/> Yes <input type="radio"/> No	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No Provided screening results using HPDC-approved methods.
			Identified <input checked="" type="radio"/> Yes <input type="radio"/> No Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

GREIGE POLYESTER [POLYETHYLENE TEREPHTHALATE **LT-P1**
 ACETAMIDE, N-[5-[BIS(2-(ACETYLOXY)ETHYL) AMINO]-2-[(2-BROMO-4,6-DINITROPHENYL)AZO]-4-METHOXYPHENYL]- **LT-P1** 9,10-
 ANTHRACENEDIONE, 1,8-BIS(PHENYLTHIO)- **LT-UNK** ACETAMIDE,
 N-[5-[BIS(2-(ACETYLOXY)ETHYL) AMINO]-2-[(2-CHLORO-4-NITROPHENYL)AZO]PHENYL] - **LT-P1** PROPANENITRILE, 3-[[2-(ACETYLOXY)ETHYL][4- [(2,6-DICHLORO-4-NITROPHENYL)AZO]PHENYL]AMINO]- **LT-P1** | PBT
 BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)- **LT-UNK** BENZENESULFONAMIDE, N-(4-AMINO-9,10-DIHYDRO-3-METHOXY-9,10-DIOXO-1-ANTHRACENYL)- **LT-UNK** 9,10-
 ANTHRACENEDIONE, 1,8-DIHYDROXY-4-NITRO-5-(PHENYLAMINO)- **LT-P1** | PBT TITANIUM DIOXIDE **LT-1 *** | CAN | END | MAM DISPERSE RED H111030 **NoGS** 1,3,4-THIADIAZOLIUM, 5-[BIS(1-METHYLETHYL)AMINO] -2-[[4-(DIMETHYLAMINO)PHENYL]AZO]-3-METHYL-, TRICHLOROZINCATE(1-) **LT-UNK** 3H-INDOLIUM, 1,3,3-TRIMETHYL-2-[[METHYL(4-METHYLPHENYL)HYDRAZONO]METHYL]-, CHLORIDE **NoGS** 3-PYRIDINECARBONITRILE, 2-AMINO-5-[(2-CYANO-4-NITROPHENYL) AZO]-6-[[3-(4-HYDROXYBUTOXY)PROPYL]AMINO]-4-METHYL- **LT-UNK** 3-PYRIDINECARBONITRILE, 6-AMINO-5-[(2-CYANO-4-NITROPHENYL) AZO]-2-[[3-(4-HYDROXYBUTOXY)PROPYL]AMINO]-4-METHYL- **LT-UNK** 9,10-ANTHRACENEDIONE, 1-HYDROXY-4-[[4-[(METHYLSULFONYL) OXY]PHENYL]AMINO]- **LT-P1** | PBT BENZO[1,2-B:4,5-B']DIFURAN-2,6-DIONE, 3-PHENYL-7-(4-PROPOXYPHENYL)- **LT-UNK** DISPERSE RED 367 **NoGS** BENZENESULFONAMIDE, 4-[(1-AMINO-9,10-DIHYDRO- 4-HYDROXY-9,10-DIOXO-2-ANTHRACENYL)OXY]-N-(3-ETHOXYPROPYL)- **NoGS** 9,10-ANTHRACENEDIONE, 1,5-DIAMINO-4,8-DIHYDROXY- **NoGS** 3-PYRIDINECARBONITRILE, 1,2-DIHYDRO-6-HYDROXY-1,4- DIMETHYL-2-OXO-5-[[3-[(PHENYLSULFONYL)OXY]PHENYL]AZO]- **NoGS** 1H-

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

NAPHTH[2,3-F]ISOINDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-[3-(2-METHOXYETHOXY)PROPYL]- **LT-UNK** BENZENESULFONAMIDE, N-(4-AMINO-9,10-DIHYDRO-3-METHOXY-9,10-DIOXO-1-ANTHRACENYL)-4-METHYL- **LT-P1** PBT 9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-4-[[4-(2-HYDROXYETHYL) PHENYL]AMINO]-5-NITRO- **LT-UNK** 1H-NAPHTH[2,3-F]ISOINDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-(3-METHOXYPROPYL)- **LT-UNK** 9,10-ANTHRACENEDIONE, 1-AMINO-2-[4-[(HEXAHYDRO-2-OXO-1H-AZEPIN-1-YL)METHYL]PHENOXY]-4-HYDROXY- **LT-UNK** 9,10-ANTHRACENEDIONE, 1-AMINO-4-HYDROXY-2-[[6-HYDROXYHEXYL)OXY]- **LT-UNK** THIAZOLIUM, 3-METHYL-2-[[1-METHYL-2-PHENYL-1H-INDOL-3-YL)AZO]-, CHLORIDE **LT-UNK** 3-PYRIDINECARBONITRILE, 5-[[2-CYANO-4-NITROPHENYL) AZO]-6-[[2-HYDROXYETHYL)AMINO]-4-METHYL-2-[[3-(2-PHENOXYETHOXY)PROPYL]AMINO]- **LT-P1** PBT 3-PYRIDINECARBONITRILE, 5-[[2-CYANO-4-NITROPHENYL) AZO]-2-[[2-HYDROXYETHYL)AMINO]-4-METHYL-6-[[3-(2-PHENOXYETHOXY)PROPYL]AMINO]- **LT-P1** PBT BENZENESULFONAMIDE, 4-[[4-ETHOXYPHENYL)AMINO]-N,N-DIMETHYL-3-NITRO- **LT-UNK** ANTIMONY(III) ACETATE **NoGS** PHENOXAZIN-5-IUM, 3,7-BIS(DIETHYLAMINO)-, NITRATE **LT-UNK** BENZOXAZOLE, 2,2'-(1,2-ETHENEDIYLDI-4,1-PHENYLENE)BIS- **BM-1** 3H-INDOLIUM, 2-[[[(4-METHOXYPHENYL)METHYLHYDRAZONO] METHYL]-1,3,3-TRIMETHYL-, CHLORIDE **NoGS**]

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: CDPH Standard Method - Not tested

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2023-01-23

PUBLISHED DATE: 2024-09-04

EXPIRY DATE: 2026-01-23

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

GREIGE POLYESTER

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residual and impurity information was collected from suppliers and substances that fall above the stated reporting threshold have been included in the inventory.

OTHER PRODUCT NOTES:

POLYETHYLENE TEREPHTHALATE

ID: 25038-59-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2023-01-23 10:48:57

%: 95.0000 - 100.0000

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

ACETAMIDE, N-[5-[BIS[2-(ACETYLOXY)ETHYL] AMINO]-2-[(2-BROMO-4,6-DINITROPHENYL)AZO]-4-METHOXYPHENYL]-

ID: 3618-72-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2023-02-09 21:17:54

%: 0.0000 - 3.0000

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

RESTRICTED LIST

Cradle to Cradle Products Innovation Institute (C2CPII)

C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022

Core Restrictions

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1,8-BIS(PHENYLTHIO)-

ID: 13676-91-0

%: **0.0000 - 2.0000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

ACETAMIDE, N-[5-[BIS[2-(ACETYLOXY)ETHYL] AMINO]-2-[(2-CHLORO-4-NITROPHENYL)AZO]PHENYL] -ID: **1533-78-4**%: **0.0000 - 2.0000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions

SUBSTANCE NOTES:

PROPANENITRILE, 3-[[2-(ACETYLOXY)ETHYL][4- [(2,6-DICHLORO-4-NITROPHENYL)AZO]PHENYL]AMINO]-ID: **5261-31-4**%: **0.0000 - 2.0000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions

SUBSTANCE NOTES:

BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)-

ID: 5124-25-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:50:10**

%: **0.0000 - 2.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

BENZENESULFONAMIDE, N-(4-AMINO-9,10-DIHYDRO-3-METHOXY-9,10-DIOXO-1-ANTHRACENYL)-

ID: 69563-51-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:50:16**

%: **0.0000 - 2.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-4-NITRO-5-(PHENYLAMINO)-

ID: 20241-76-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-09-04 13:51:51**

%: **0.0000 - 1.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-02-09 21:18:53**

%: 0.0000 - 1.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**		
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**		
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**		
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor**		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**		
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen**		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products		
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)		

SUBSTANCE NOTES: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

DISPERSE RED H111030

ID: **126877-06-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-23 10:50:43**

%: **0.0000 - 1.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES:

1,3,4-THIADIAZOLIUM, 5-[BIS(1-METHYLETHYL)AMINO] -2-[[4-(DIMETHYLAMINO)PHENYL]AZO]-3-METHYL-, TRICHLOROZINCATE(1-)

ID: 93783-70-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:51:03**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

3H-INDOLIUM, 1,3,3-TRIMETHYL-2-[[METHYL(4-METHYLPHENYL)HYDRAZONO]METHYL]-, CHLORIDE

ID: 68134-38-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:51:10**

%: **0.0000 - 1.0000**

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

3-PYRIDINECARBONITRILE, 2-AMINO-5-[(2-CYANO-4-NITROPHENYL) AZO]-6-[[3-(4-HYDROXYBUTOXY)PROPYL]AMINO]-4-METHYL-

ID: 77737-04-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:51:14**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

3-PYRIDINECARBONITRILE, 6-AMINO-5-[(2-CYANO-4-NITROPHENYL) AZO]-2-[[3-(4-HYDROXYBUTOXY)PROPYL]AMINO]-4-METHYL-

ID: 77737-03-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:51:19**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1-HYDROXY-4-[[4-(METHYLSULFONYL) OXY]PHENYL]AMINO]-

ID: 1594-08-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:51:28**

%: **0.0000 - 1.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

BENZO[1,2-B:4,5-B']DIFURAN-2,6-DIONE, 3-PHENYL-7-(4-PROPOXYPHENYL)-

ID: 79694-17-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:51:36**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

DISPERSE RED 367

ID: 147014-52-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2023-01-23 10:51:42

%: 0.0000 - 1.0000

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

BENZENESULFONAMIDE, 4-[(1-AMINO-9,10-DIHYDRO- 4-HYDROXY-9,10-DIOXO-2-ANTHRACENYL)OXY]-N-(3-ETHOXYPROPYL)-

ID: 72363-26-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2023-01-23 10:51:49

%: 0.0000 - 1.0000

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1,5-DIAMINOBROMO-4,8-DIHYDROXY-

ID: 31810-89-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2023-01-23 10:51:58

%: 0.0000 - 1.0000

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

3-PYRIDINECARBONITRILE, 1,2-DIHYDRO-6-HYDROXY-1,4-DIMETHYL-2-OXO-5-[[3-[(PHENYLSULFONYL)OXY]PHENYL]AZO]-

ID: 59312-61-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:50:36**

%: **0.0000 - 1.0000**

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

1H-NAPHTH[2,3-F]ISOINDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-[3-(2-METHOXYETHOXY)PROPYL]-

ID: 65059-45-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:52:15**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

BENZENESULFONAMIDE, N-(4-AMINO-9,10-DIHYDRO-3-METHOXY-9,10-DIOXO-1-ANTHRACENYL)-4-METHYL-

ID: 81-68-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:52:27**

%: **0.0000 - 1.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-4-[[4-(2-HYDROXYETHYL) PHENYL]AMINO]-5-NITRO-

ID: 15791-78-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:52:41**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

1H-NAPHTH[2,3-F]ISOINDOLE-1,3,5,10(2H)-TETRAONE, 4,11-DIAMINO-2-(3-METHOXYPROPYL)-

ID: 12217-80-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:55:29**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1-AMINO-2-[4-[(HEXAHYDRO- 2-OXO-1H-AZEPIN-1-YL)METHYL]PHENOXY]-4-HYDROXY-

ID: 19014-53-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 10:59:45**

%: **0.0000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **Unknown**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1-AMINO-4-HYDROXY-2-[(6-HYDROXYHEXYL)OXY]-

ID: 34231-26-0

%: **0.0000 - 1.0000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

THIAZOLIUM, 3-METHYL-2-[(1-METHYL-2-PHENYL- 1H-INDOL-3-YL)AZO]-, CHLORIDEID: **42373-04-6**%: **0.0000 - 1.0000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

3-PYRIDINECARBONITRILE, 5-[(2-CYANO-4-NITROPHENYL)AZO]-6-[(2-HYDROXYETHYL)AMINO]-4-METHYL-2-[[3-(2-PHENOXYETHOXY)PROPYL]AMINO]-ID: **63833-78-3**%: **0.0000 - 1.0000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

3-PYRIDINECARBONITRILE, 5-[(2-CYANO-4-NITROPHENYL)AZO]-2-[(2-HYDROXYETHYL)AMINO]-4-METHYL-6-[[3-(2-PHENOXYETHOXY)PROPYL]AMINO]-ID: **61799-13-1**

%: **0.0000 - 1.0000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

BENZENESULFONAMIDE, 4-[(4-ETHOXYPHENYL)AMINO]-N,N-DIMETHYL-3-NITRO-ID: **67338-59-4**%: **0.0000 - 1.0000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

ANTIMONY(III) ACETATEID: **6923-52-0**%: **0.0000 - 0.1000**GreenScreen: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Catalyst**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals Certain Metals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES:

PHENOXAZIN-5-IUM, 3,7-BIS(DIETHYLAMINO)-, NITRATE

ID: 73570-52-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-23 11:00:15**

%: **0.0000 - 0.1000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

BENZOAZOLE, 2,2'-(1,2-ETHENEDIYLDI-4,1-PHENYLENE)BIS-

ID: 1533-45-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-23 11:01:37**

%: **0.0000 - 0.1000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-01-23 11:01:40**

?: **0.0000 - 0.1000**

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Dye**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

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

VOC EMISSIONS	CDPH Standard Method - Not tested	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2023-01-23 00:00:00	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES:		

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

Substance ranges are provided to cover the various colors and to protect the formulation of Milliken Textile's product and suppliers.

MANUFACTURER INFORMATION

MANUFACTURER: **Milliken Textile**
 ADDRESS: **920 Milliken Road, M-126**
Spartanburg, SC 29303
 COUNTRY: **USA**

WEBSITE: **milliken.com**
 CONTACT NAME: **Katelyn Kent**
 TITLE: **Textile Division Compliance Manager**
 PHONE: **864-316-4936**
 EMAIL: **katelyn.kent@milliken.com**

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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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

