Broadcloth II
by Humphrey Textiles Inc

Health Product Declaration v2.1.1
created via: HPDC Online Builder

CLASSIFICATION: Textile
PRODUCT DESCRIPTION: Polyester panel fabric

Section 1: Summary

Basic 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
- ○ Per OSHA MSDS
- ○ Other

Residuals/Impurities
- ◉ Considered
- ○ Partially Considered
- ○ Not Considered

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
All substances disclosed by Name (Specific or Generic) and Identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

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

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

BROADCLOTH II [POLYETHYLENE TEREPHTHALATE (PET) (POLYESTER POLYETHYLENE TEREPHTHALATE (PET)) LT-UNK *DEXAMETHASONE 21-(SODIUM SULPHATE)* NoGS *N-POLYOXYETHYLATED-N-OCTADECYLAMINE* LT-P1 | MUL *PEG-10 HYDROGENATED TALLOW AMINE* LT-P1 | MUL *ACETIC ACID 30%* BM-2 | RES | SKI C.I. BLUE 56 9,10-ANTHRACENEDIONE, 1,5-DIAMINOCHLORO-4,8-DIHYDROXY- LT-UNK *POLY(OXY-1,2-ETHANEDIYL), ALPHA-HEXYL-OMEGA-HYDROXY-* LT-UNK C.I. DISPERSE RED 60 LT-UNK C.I. SOLVENT YELLOW 114 LT-UNK C.I. DISPERSE YELLOW 64 (PRIMARY CASRN IS 10319-14-9) LT-UNK C.I. 48055 BASIC YELLOW 11 NoGS C.I. BASIC BLUE 3 NoGS PHENOXAZIN-5-IUM, 3,7-BIS(DIETHYLAMINO)-, NITRATE (1:1) BASIC BLUE 159 LT-UNK BASIC RED 463(OR5)-((4-(BENZYLMETHYLAMINO)PHENYL)AZO)-1,2-(OR1,4)-DIMETHYL-1H-1,2,4-TRIAZOLIUM AND ITS SALTS NoGS DISPERSE BLUE 367 N-(5-(BIS(2-METHOXYETHYL)AMINO)-2-((5-NITRO-2,1-BENZISOTHIAZOL-3-YL)AZO)PHENYLACETAMIDE LT-UNK DISPERSE RED 354 LT-P1]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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: self-declared

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-05-15
PUBLISHED DATE: 2020-05-15
EXPIRY DATE: 2023-05-15

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

BROADCLOTH II

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This is a dyed polyester fabric in which certain chemicals are used in the dye bath to help the dyes disperse

OTHER PRODUCT NOTES:

POLYETHYLENE TEREPHTHALATE (PET) (POLYESTER POLYETHYLENE TEREPHTHALATE (PET))

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 100.00 - 100.00 GS: LT-UNK RC: None NANO: No ROLE: polyester yarn

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

SUBSTANCE NOTES: This fabric is 100% polyester PET, false twist textured yarn

DEXAMETHASONE 21-(SODIUM SULPHATE)

ID: 466-11-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: Impurity/Residual GS: NoGS RC: None NANO: No ROLE: Impurity/Residual

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

SUBSTANCE NOTES: sodium sulphate is used in the dyebath to help dye penetrate the fiber

N-POLYOXYETHYLATED-N-OCTADECYLAMINE

ID: 26635-92-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: Impurity/Residual GS: LT-P1 RC: None NANO: No ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: This is used in the dyebath to attach dyes to fiber

PEG-10 HYDROGENATED TALLOW AMINE

ID: 61791-26-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: this is part of a solution used in the dyebath to attach dyes to fibers

ACETIC ACID 30%

ID: 64-19-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **Impurity/Residual** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Acetic Acid is used to lower the pH of the dyebath

C.I. BLUE 56 9,10-ANTHRACENEDIONE, 1,5-DIAMINOCHLORO-4,8-DIHYDROXY-

ID: 12217-79-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.02 - 0.02** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: This dye is used for blue colour

POLY(OXY-1,2-ETHANEDIYL), ALPHA-HEXYL-OMEGA-HYDROXY-

ID: 31726-34-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: This is a dispersing agent used in the dyebath to disperse the dyes

C.I. DISPERSE RED 60

ID: **17418-58-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.02 - 0.02** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: this dye is used for red colour

C.I. SOLVENT YELLOW 114

ID: **7576-65-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.01 - 0.08** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: this dye is for yellow colour

C.I. DISPERSE YELLOW 64 (PRIMARY CASRN IS 10319-14-9)

ID: **12223-86-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.01 - 0.01** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: this dye is used for yellow colour

C.I. 48055 BASIC YELLOW 11

ID: **4208-80-4**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.01 - 0.10** GS: **NoGS** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: this is a yellow dye for colour

C.I. BASIC BLUE 3

ID: 33203-82-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.01 - 0.05** GS: **NoGS** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: Blue dye for colour

PHENOXAZIN-5-IUM, 3,7-BIS(DIETHYLAMINO)-, NITRATE (1:1) BASIC BLUE 159

ID: 73570-52-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.01 - 0.05** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: this dye is used for blue colour

BASIC RED 463(OR5)-((4-(BENZYLMETHYLAMINO)PHENYL)AZO)-1,2-(OR1,4)-DIMETHYL-1H-1,2,4-TRIAZOLIUM AND ITS SALTS

ID: 12221-69-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.00 - 0.03** GS: **NoGS** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: This dye is used for red colour

DISPERSE BLUE 367 N-(5-(BIS(2-METHOXYETHYL)AMINO)-2-((5-NITRO-2,1-BENZISOTHIAZOL-3-YL)AZO)PHENYLACETAMIDE

ID: 105076-77-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.00 - 0.08** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: this dye is used for blue colour

DISPERSE RED 354

ID: 1533-78-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.00 - 0.04** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **dye**

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

SUBSTANCE NOTES: This dye is used for red colour

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	self-declared

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: N/A
CERTIFICATE URL:

ISSUE DATE: 2020-05-15

EXPIRY DATE:

CERTIFIER OR LAB: Humphrey Textiles Inc

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

This is a 100% polyester dyed fabric. The dye bath waste water is sent to the city sewer system for treatment.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Humphrey Textiles Inc**
ADDRESS: **170 Mill Road**
Moncton NB E1A 4B1, Canada
WEBSITE: **www.humphreytextiles.ca**

CONTACT NAME: **Stacy teBogt**
TITLE: **Manager**
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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity
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 (insuficient 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.