

EuroTwill® 6450 Series Reversible Broken Weave (3% open) by MechoSystems

Health Product Declaration v2.1

CLASSIFICATION: 12 24 13.00 Furnishings: Roller Window Shades

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This series features a sophisticated interwoven pattern of yarns in a broken twill-weave design. It is composed of sheer, fine polyester yarns with a PVC coating. The 6450 Series' nine neutral colors provide a complementary background element to a space. If the reverse side is to face the room interior, use the color number followed by the letter "R". Content: 75% PVC (coating), 25% polyester (yarn) Openness factor: approx. 3% (1% openness is available with minimum-quantity orders.) Stocked: 98 in. (249cm) wide (63 in./160cm, 78 in./198cm, and 118 in./300cm widths are available with minimum-quantity orders.) NFPA 701-2004: pass

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities Considered in 1 of 1 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

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

Number of Greenscreen BM-4/BM3 contents..... 2
Contents highest concern GreenScreen
Benchmark or List translator Score..... BM-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

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

VINYL COATED POLYESTER SHADECLOTH [POLYVINYL CHLORIDE (PVC) (POLYVINYL CHLORIDE (PVC)) **LT-P1** | RES POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET)) **LT-UNK** | BIS(2-ETHYLHEXYL) TEREPHTHALATE (BIS(2-ETHYLHEXYL) TEREPHTHALATE) **BM-3** | CALCIUM CARBONATE (CALCIUM CARBONATE) **BM-3** | ANTIMONY TRIOXIDE (ANTIMONY TRIOXIDE) **BM-1** | MAM | CAN | AQU | MUL | CALCIUM STEARATE (CALCIUM STEARATE) **LT-UNK** | ZINC STEARATE (ZINC STEARATE) **LT-P1** | ZINC PYRITHIONE (ZPT) (ZINC PYRITHIONE (ZPT)) **BM-1tp** | MUL | TITANIUM DIOXIDE (TITANIUM DIOXIDE) **LT-1** | CAN | END C.I. PIGMENT RED 120 (C.I. PIGMENT RED 120) **LT-UNK** | GOETHITE (GOETHITE) **NoGS** | CARBON BLACK (CARBON BLACK) **LT-1** | CAN | ULTRAMARINE (PIGMENT) (ULTRAMARINE (PIGMENT)) **LT-UNK**]

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 content: GreenGuard - Gold (previously Children & Schools)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-01-24
PUBLISHED DATE: 2018-02-23
EXPIRY DATE: 2021-01-24

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

VINYL COATED POLYESTER SHADECLOTH

%: 100.0000 - 100.0000

HPD URL:

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Manufacturer has chosen to use the "Nested Material Method" with a reporting threshold of 100 ppm for the Product; then R/I should be considered to at least 100 ppm for the whole material

OTHER MATERIAL NOTES:

POLYVINYL CHLORIDE (PVC) (POLYVINYL CHLORIDE (PVC))

ID: 9002-86-2

%: 30.0000 - 50.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Yarn Sheath

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Yarn Sheath

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

ID: 25038-59-9

%: 10.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Core Yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Core Yarn

BIS(2-ETHYLHEXYL) TEREPHTHALATE (BIS(2-ETHYLHEXYL) TEREPHTHALATE)

ID: 6422-86-2

%: 10.0000 - 20.0000

GS: BM-3

RC: None

NANO: No

ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Phthalate-free

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

%: **5.0000 - 20.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Filler

ANTIMONY TRIOXIDE (ANTIMONY TRIOXIDE)

ID: 1309-64-4

%: **0.5000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Flame Retardant**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
MAMMALIAN	EU - R-phrases R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases R22 - Harmful if Swallowed
CANCER	EU - R-phrases R40 - Limited Evidence of Carcinogenic Effects
ACUTE AQUATIC	EU - R-phrases R51 - Toxic to Aquatic Organisms
CANCER	IARC Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65 Carcinogen
CHRON AQUATIC	EU - GHS (H-Statements) H411 - Toxic to aquatic life with long lasting effects
CANCER	EU - GHS (H-Statements) H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS Carcinogenicity - Category 1B

SUBSTANCE NOTES: Required to pass NFPA 701

CALCIUM STEARATE (CALCIUM STEARATE)

ID: 1592-23-0

%: **0.5000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Thermal Stabilizer**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Thermal Stabilizer

ZINC STEARATE (ZINC STEARATE)

ID: 557-05-1

%: **0.5000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Thermal Stabilizer**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Thermal Stabilizer

ZINC PYRITHIONE (ZPT) (ZINC PYRITHIONE (ZPT))

ID: 13463-41-7

#: **0.1000 - 1.0000** GS: **BM-1tp** RC: **None** NANO: **No** ROLE: **Anti-Bacterial Additive**

HAZARDS: AGENCY(IES) WITH WARNINGS:

MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Anti-Bacterial Additive

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: 13463-67-7

#: **0.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route

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

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

SUBSTANCE NOTES: Form specific hazard - not considered hazardous in this form

C.I. PIGMENT RED 120 (C.I. PIGMENT RED 120)

ID: 2786-76-7

#: **0.0000 - 0.0250** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pigment

GOETHITE (GOETHITE)

ID: 1310-14-1

#: **0.0000 - 0.3000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pigment

CARBON BLACK (CARBON BLACK)

ID: 1333-86-4

#: 0.0000 - 1.0000 GS: LT-1 RC: None NANO: No ROLE: Pigment

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

SUBSTANCE NOTES: Form specific hazard - not considered hazardous in this form

ULTRAMARINE (PIGMENT) (ULTRAMARINE (PIGMENT))

ID: 57455-37-5

#: 0.0000 - 0.0600 GS: LT-UNK RC: None NANO: No ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pigment

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 CONTENT

GreenGuard - Gold (previously Children & Schools)

CERTIFYING PARTY: Third Party	ISSUE DATE: 2009-06-03	EXPIRY DATE: 2018-03-26	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: All Facilities			
CERTIFICATE URL: http://mechosystems.com/shadeclothselection/certificates/Greenguard_6450.pdf			

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

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **MechoSystems**

ADDRESS: **42-03 35th St.**

Long Island City NY 11101-2301, USA

WEBSITE: **<http://mechosystems.com/>**

CONTACT NAME: **Rachel Berman**

TITLE: **Sustainability Program Manager**

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EMAIL: **rachel.berman@mechosystems.com**

KEY

OSHA MSDS

Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS

Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

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.