

CLASSIFICATION: 12 24 13.00 Furnishings: Roller Window Shades

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Chelsea's soft, opaque material rolls up and down delicately on the shadeband. The window-facing side of the material is a modern, graphite color. The neutral hue provides balanced uniformity at street level when the shades are in use, to support and enhance the architect's building objective. Content: 50% polyester (base), 50% foam (backing) Openness factor: 0% (opaque) Stocked: 118 in. (300cm) wide NFPA 701-2010: 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 2 of 2 Materials

**Explanation(s) provided for Residuals/Impurities?**

- Yes  No

*Are All Substances Above the Threshold Indicated:*

**Characterized**  
*Percent Weight and Role Provided?*

- Yes  No

**Screened**  
*Using Priority Hazard Lists with Results Disclosed?*

- Yes  No

**Identified**  
*Name and Identifier Provided?*

- Yes  No

**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**

POLYACRYLATE FOAM COATING [ 2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER (2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER) **LT-UNK** 1,3,5-TRIAZINE-2,4,6-TRIAMINE PHOSPHATE **NoGS** TETRAMETHYLENE DIMETHACRYLATE (TETRAMETHYLENE DIMETHACRYLATE) **LT-UNK** | SKI RUTILE TITANIUM DIOXIDE (RUTILE TITANIUM DIOXIDE) **LT-1** | CAN 1,1,1-TRIMETHYLOLPROPANE TRIMETHACRYLATE (1,1,1-TRIMETHYLOLPROPANE TRIMETHACRYLATE) **LT-P1** | MUL 3-(N,N-DIMETHYLCARBAMOYLIMIDO)-1,1-DIMETHYLUREA **NoGS** PHTHALOCYANINE GREEN (PHTHALOCYANINE GREEN) **LT-UNK** C.I. PIGMENT RED 120 (C.I. PIGMENT RED 120) **LT-UNK** 2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE) (2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE)) **LT-P1** | MUL CARBON BLACK (CARBON BLACK) **LT-1** | CAN C.I. PIGMENT BLUE 15 (C.I. PIGMENT BLUE 15) **BM-3** ] POLYESTER [ POLYESTER (POLYESTER) **NoGS** DECABROMODIPHENYLETHANE (DBDPE) (DECABROMODIPHENYLETHANE (DBDPE)) **BM-1** | PBT | END PHTHALOCYANINE GREEN (PHTHALOCYANINE GREEN) **LT-UNK** C.I. PIGMENT RED 120 (C.I. PIGMENT RED 120) **LT-UNK** 2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE) (2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE)) **LT-P1** | MUL CARBON BLACK (CARBON BLACK) **LT-1** | CAN C.I. PIGMENT BLUE 15 (C.I. PIGMENT BLUE 15) **BM-3** ]

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:**

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

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

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed

Third Party  
Verified?

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-02-26  
PUBLISHED DATE: 2018-03-06  
EXPIRY DATE: 2021-02-26

- Yes
- No

## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### POLYACRYLATE FOAM COATING

#: 50.0000 - 60.0000

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:

#### 2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER (2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER)

ID: 9003-21-8

#: 93.0000 - 95.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Foam coating/backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Foam coating/backing

#### 1,3,5-TRIAZINE-2,4,6-TRIAMINE PHOSPHATE

ID: 56386-64-2

#: 2.0000 - 3.0000

GS: NoGS

RC: None

NANO: No

ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Flame Retardant

#### TETRAMETHYLENE DIMETHACRYLATE (TETRAMETHYLENE DIMETHACRYLATE)

ID: 2082-81-7

#: 0.1000 - 0.5000

GS: LT-UNK

RC: None

NANO: No

ROLE: Thickener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Thickener

**RUTILE TITANIUM DIOXIDE (RUTILE TITANIUM DIOXIDE)**ID: **1317-80-2**

|                           |                 |                 |                 |                      |
|---------------------------|-----------------|-----------------|-----------------|----------------------|
| %: <b>0.1000 - 1.5000</b> | GS: <b>LT-1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Pigment</b> |
|---------------------------|-----------------|-----------------|-----------------|----------------------|

| 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 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |

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

**1,1,1-TRIMETHYLOLPROPANE TRIMETHACRYLATE (1,1,1-TRIMETHYLOLPROPANE TRIMETHACRYLATE)**ID: **3290-92-4**

|                           |                  |                 |                 |                               |
|---------------------------|------------------|-----------------|-----------------|-------------------------------|
| %: <b>0.1000 - 1.5000</b> | GS: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Thickening Agent</b> |
|---------------------------|------------------|-----------------|-----------------|-------------------------------|

| HAZARDS: | AGENCY(IES) WITH WARNINGS:                  |                            |
|----------|---------------------------------------------|----------------------------|
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

SUBSTANCE NOTES: Thickening Agent

**3-(N,N-DIMETHYLCARBAMOYLIMIDO)-1,1-DIMETHYLUREA**ID: **10465-78-8**

|                           |                 |                 |                 |                               |
|---------------------------|-----------------|-----------------|-----------------|-------------------------------|
| %: <b>0.1000 - 1.5000</b> | GS: <b>NoGS</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Thickening Agent</b> |
|---------------------------|-----------------|-----------------|-----------------|-------------------------------|

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

SUBSTANCE NOTES: Thickening Agent

**PHthalocyanine GREEN (PHthalocyanine GREEN)**ID: **1328-53-6**

|                            |                   |                 |                 |                      |
|----------------------------|-------------------|-----------------|-----------------|----------------------|
| %: <b>0.0000 - 11.0000</b> | GS: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Pigment</b> |
|----------------------------|-------------------|-----------------|-----------------|----------------------|

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

SUBSTANCE NOTES: Pigment

**C.I. PIGMENT RED 120 (C.I. PIGMENT RED 120)**ID: **2786-76-7**

%: **0.0000 - 11.0000** 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

**2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE) (2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE))**

ID: **5567-15-7**

%: **0.0000 - 11.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Pigment

**CARBON BLACK (CARBON BLACK)**

ID: **1333-86-4**

%: **0.0000 - 11.0000** 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

**C.I. PIGMENT BLUE 15 (C.I. PIGMENT BLUE 15)**

ID: **147-14-8**

%: **0.0000 - 11.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pigment

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:

**POLYESTER (POLYESTER)**

ID: **113669-95-7**

%: **90.0000 - 95.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Polyester base resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Base textile

**DECABROMODIPHENYLETHANE (DBDPE)  
(DECABROMODIPHENYLETHANE (DBDPE))**

ID: **84852-53-9**

%: **1.0000 - 2.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Flame Retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

ENDOCRINE

OSPAR - Priority PBTs & EDs & equivalent concern

Endocrine Disruptor - Chemical for Priority Action

PBT

ChemSec - SIN List

PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)

PBT

EHP - San Antonio Statement on BFRs & CFRs

Flame retardant substance class of concern for PB&T & long range transport

SUBSTANCE NOTES: Required to pass NFPA 701 - Brominated but not a CMR

**PHTHALOCYANINE GREEN (PHTHALOCYANINE GREEN)**

ID: **1328-53-6**

%: **0.0000 - 9.0000** 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

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

ID: **2786-76-7**

%: **0.0000 - 9.0000** 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

**2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE) (2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(4-C-HORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTYRAMIDE))**

ID: **5567-15-7**

#: **0.0000 - 9.0000**

GS: **LT-P1**

RC:

**None**

NANO:

**No**

ROLE:

**Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Pigment

**CARBON BLACK (CARBON BLACK)**

ID: **1333-86-4**

#: **0.0000 - 9.0000**

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

**C.I. PIGMENT BLUE 15 (C.I. PIGMENT BLUE 15)**

ID: **147-14-8**

#: **0.0000 - 9.0000**

GS: **BM-3**

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

APPLICABLE FACILITIES: All Facilities

CERTIFICATE URL:

[http://mechosystems.com/shadeclothselection/certificates/Greenguard\\_0250.pdf](http://mechosystems.com/shadeclothselection/certificates/Greenguard_0250.pdf)

ISSUE

DATE: 2015-

12-23

EXPIRY

DATE:

2018-

09-01

CERTIFIER OR

LAB: UL

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, United States**

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

CONTACT NAME: **Rachel Berman**

TITLE: **Sustainability Program Manager**

PHONE: **+1 (718) 729-2020, x1258**

EMAIL: **[rachel.berman@mechosystems.com](mailto: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

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*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.*