

**CLASSIFICATION:** 12 24 3.00 **FURNISHINGS:** ROLLER WINDOW SHADES

**PRODUCT DESCRIPTION:** SilverScreen 203 or Screen 203. Metallized Screen fabric for roller blinds / roller shades. Combines an excellent reflectance of heat from sunlight with a good (one-way) view through. Provides heat insulation thanks to the low-E coating. Made out of phthalate-free PVC-coated polyester yarns. Flame retardant.

## 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

**SILVERSCREEN 203** | **POLYVINYL CHLORIDE (PVC)** **LT-P1** | RES  
**POLYESTER FIBERS** **NoGS** | **DIOCTYL TEREPHTHALATE** **BM-3dg** | **CALCIUM CARBONATE** **BM-3** | **TITANIUM DIOXIDE** **LT-1** | CAN | END | **POLYURETHANE** **LT-P1** | **ZINC STEARATE** **LT-UNK** | **ANTIMONY TRIOXIDE** **BM-1** | CAN | MUL | **ZINC PYRITHIONE (ZPT)** **BM-1tp** | MUL | **ALUMINUM** **LT-P1** | RES | PHY | END ]

Number of Greenscreen BM-4/BM3 contents ... 1

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

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Blind / Shading fabric based on a woven structure of PVC-coated polyester fibers with a reflective aluminum coating. (Silver-)Screen 203 is compliant to: REACH, Oekotex 100 class IV, Greenguard Gold, ISO14001 and RoHS2. Phthalate-free, formaldehyde-free.

### 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

Multi-attribute: OEKO-TEX Standard 100

Multi-attribute: REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

Management: ISO 14001:2004 Environmental management systems

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-09-11

PUBLISHED DATE: 2020-05-12

EXPIRY DATE: 2022-09-11



## 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)

### SILVERSCREEN 203

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals common for polyester yarns and plasticized PVC are not considered.

OTHER PRODUCT NOTES: The plasticizer in this product is phthalate free.

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-11

#: 40.00 - 60.00

GS: LT-P1

RC: None

NANO: No

ROLE: yarn coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: co-extruded polymer yarn-coating

#### POLYESTER FIBERS

ID: 80595-68-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-11

#: 15.00 - 40.00

GS: NoGS

RC: None

NANO: No

ROLE: core of coated yarns

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: polyester continuous filament yarns

#### DIOCTYL TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-11

#: 10.00 - 30.00

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: **Non-phtalate plasticizer**

## CALCIUM CARBONATE

ID: **114453-69-9**

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

HAZARD SCREENING DATE: **2019-09-11**

?: **5.00 - 20.00**

GS: **BM-3**

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: **none**

## TITANIUM DIOXIDE

ID: **13463-67-7**

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

HAZARD SCREENING DATE: **2019-09-11**

?: **1.00 - 10.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **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**

**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: **white pigment**

## POLYURETHANE

ID: **64440-88-6**

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

HAZARD SCREENING DATE: **2019-09-11**

?: **1.00 - 5.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **finishing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: **polyurethane dispersion**

## ZINC STEARATE

ID: **557-05-1**

%: **0.50 - 5.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **heat stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **common heat stabilizer for plasticized PVC****ANTIMONY TRIOXIDE**ID: **1309-64-4**%: **0.50 - 5.00**GS: **BM-1**RC: **None**NANO: **No**ROLE: **flame retardant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER****IARC****Group 2b - Possibly carcinogenic to humans****CANCER****CA EPA - Prop 65****Carcinogen****CANCER****US NIH - Report on Carcinogens****Reasonably Anticipated to be Human Carcinogen****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****GHS - Japan****Carcinogenicity - Category 1B [H350]**SUBSTANCE NOTES: **Common flame retardant additive for PVC****ZINC PYRITHIONE (ZPT)**ID: **13463-41-7**%: **0.10 - 1.00**GS: **BM-1tp**RC: **None**NANO: **No**ROLE: **preservative**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE****German FEA - Substances Hazardous to Waters****Class 3 - Severe Hazard to Waters**SUBSTANCE NOTES: **preservative / antimicrobial additive****ALUMINUM**ID: **7429-90-5**%: **0.10 - 0.50**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **reflective coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: High purity metallic aluminum coating applied by Physical Vapor Deposition. Adhesion according to ISO 2409 classification 0 (no detachment of coating)

## 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: **2019-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **all**

**08-26**

**09-15**

CERTIFICATE URL: <https://spot.ul.com>

CERTIFICATION AND COMPLIANCE NOTES: **Certificate base material: 143233-420. This certificate is annually prolonged. The expiry date is the prolongation date.**

### MULTI-ATTRIBUTE

### OEKO-TEX Standard 100

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **Hohenstein**

APPLICABLE FACILITIES: **All**

**04-30**

**04-30**

CERTIFICATE URL: <https://www.oeko-tex.com>

CERTIFICATION AND COMPLIANCE NOTES: **OEKO\_TEX Standard 100 Class IV Certificate 05.0.2798. This certificate is annually prolonged. The expiry date is the prolongation date.**

### MULTI-ATTRIBUTE

### REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **none**

APPLICABLE FACILITIES: **All**

**06-19**

CERTIFICATE URL: <https://echa.europa.eu>

CERTIFICATION AND COMPLIANCE NOTES:

### MANAGEMENT

### ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **Tuv Rheinland**

APPLICABLE FACILITIES: **All**

**02-01**

**02-20**

CERTIFICATE URL: <https://www.tuv.com>

CERTIFICATION AND COMPLIANCE NOTES: **This certificate is annually prolonged. The expiry date is the prolongation date.**

### MULTI-ATTRIBUTE

### ROHS 3 2015/863 Restriction of Hazardous Substances Directive

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **none**

APPLICABLE FACILITIES: **all**

**10-10**

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*

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Maintenance:** Dust can be removed with a soft feather duster or by vacuum-cleaning with a soft brush at lowest position. When intensive cleaning is required, the colored side can be cleaned with a wet cloth.

## Section 5: General Notes

SilverScreen 203 / Screen 203 distinguishes itself from competitor products with: - excellent solar reflectance - phthalate-free - clear view-through and robust look and feel - high energy saving potential and visual comfort. - meets the highest fire safety standards



## MANUFACTURER INFORMATION

MANUFACTURER: **Verosol**

ADDRESS: **Kieftte 18**

**Eibergen Gelderland 7151HZ, Netherlands**

WEBSITE: **www.verosol.com**

CONTACT NAME: **Robert Kuipers**

TITLE: **manager R&D**

PHONE: **+31545463353**

EMAIL: **r.kuipers@verosol.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.*