

CLASSIFICATION: 12 24 3.00 FURNISHINGS : ROLLER WINDOW SHADES

PRODUCT DESCRIPTION: ENVIROSCREEN OPTIMUM. PVC-FREE METALLIZED RECYCLABLE POLYESTER SCREEN FOR ROLLER BLINDS / SHADES. HIGH PERFORMANCE OF SOLAR HEAT GAIN COEFFICIENT, THERMAL INSULATION AND VIEW THROUGH THANKS TO THE REFLECTIVE ALUMINUM COATING. TEXTILE APPEARANCE. FLAME RETARDANT. ENVIRONMENTAL STANDARDS: GREENGUARD GOLD, OEKOTEX 100 CLASS IV, CRADLE TO CRADLE BRONZE, ECOSPECIFIER.

**Section 1: Summary**

**CONTENT INVENTORY**

- Threshold per material
- 100 ppm
  - 1,000 ppm
  - Per GHS SDS
  - Per OSHA MSDS
  - Other

Residuals and impurities considered in 1 of 1 materials

- see Section 2: Material Notes
- see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	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.

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

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

**ENVIROSCREEN OPTIMUM [ POLYETHYLENE TEREPHTHALATE (PET)**  
**LT-UNK POLYURETHANE LT-UNK ORGANOPHOSPHOROUS FLAME**  
**RETARDANTS (OPFRS) UNK ALUMINUM LT-P1 | RES | END | PHY ]**

**INVENTORY AND SCREENING NOTES:**

Blind / Shading fabric based on polyester fibres with a reflective aluminium coating. EnviroScreen is REACH, Oekotex 100 class IV, C2C bronze and RoHS2 compliant. Contains no PVC, halogens or antimony trioxide flame retardants.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

VOC emissions: Greenguard and Greenguard Gold  
 Other: Oekotex-100  
 Other: RoHS2  
 Other: Cradle to Cradle

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: February 7, 2017	EXPIRY DATE*: February 7, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: March 10, 2017	* or within 3 months of significant change in product contents

\*See HPDC website for details



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### ENVIROSCREEN OPTIMUM %: 100.0000 - 100.0000 HPD URL: [www.verosol.com](http://www.verosol.com)

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes: Woven polyester fabric with aluminium coating

#### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 95.0000 - 97.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: base fabric

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

#### SUBSTANCE NOTES:

#### POLYURETHANE

ID: 64440-88-6

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: finishing

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polyurethane Dispersion

#### ORGANOPHOSPHOROUS FLAME RETARDANTS (OPFRS)

ID:

%: 1.0000 - 5.0000

GS: UNK

RC: None

NANO: NO

ROLE: Flame Retardant

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: organic phosphorous compound

#### ALUMINUM

ID: 7429-90-5

%: 0.1000 - 0.5000

GS: LT-P1

RC: None

NANO: NO

ROLE: reflective coating

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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

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

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: All  
 CERTIFICATE URL:  
 CERTIFICATION AND COMPLIANCE NOTES:

### Greenguard and Greenguard Gold

ISSUE DATE: 2008-09-15      EXPIRY DATE: 2017-09-15      CERTIFIER OR LAB: UL Environment

### OTHER

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES:  
 CERTIFICATE URL: [www.oeko-tex.com](http://www.oeko-tex.com) Certificate# 15.HNL.57853  
 CERTIFICATION AND COMPLIANCE NOTES: Öko-Tex 100 is annual test which test several kind of topics like pH, formaldehyde, phenols, odor, etc.

### Oekotex-100

ISSUE DATE: 2016-01-01      EXPIRY DATE: 2020-01-01      CERTIFIER OR LAB: Höhenstein

### OTHER

CERTIFYING PARTY: Self-declared  
 APPLICABLE FACILITIES:  
 CERTIFICATE URL:  
 CERTIFICATION AND COMPLIANCE NOTES: EnviroScreen Optimum is compliant to the restriction of Hazardous Substances Directive 2011/65/EU (RoHS2)

### RoHS2

ISSUE DATE: 2016-03-23      EXPIRY DATE: 0000-00-00      CERTIFIER OR LAB:

### OTHER

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: EIG & ARCHE  
 CERTIFICATE URL:  
 CERTIFICATION AND COMPLIANCE NOTES: EnviroScreen Optimum is Cradle to Cradle Certified Bronze

### Cradle to Cradle

ISSUE DATE: 2015-10-05      EXPIRY DATE: 2017-10-04      CERTIFIER OR LAB: C2C Product Innovation Institute

### MULTI-ATTRIBUTE

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES:  
 CERTIFICATE URL:  
 CERTIFICATION AND COMPLIANCE NOTES: Pending

### GreenScreen benchmark + Healthier Hospitals safer chemicals challenge for Healthy Interiors

ISSUE DATE: 0000-00-00      EXPIRY DATE: 0000-00-00      CERTIFIER OR LAB:



## 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.

### **ENVIROSCREEN OPTIMUM**

**HPD URL: [www.verosol.com](http://www.verosol.com)**

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:** Maintenance: Dust can be removed with a soft feather duster or bij vacuum-cleaning with a soft brush at the lowest position.



## Section 5: General Notes

EnviroScreen Optimum is also known in the market under the name Verosol EnviroScreen G3. EnviroScreen distinguishes itself from competitor products by being the greener choice, it is free from PVC, plasticizer, halogens, antimony trioxide flame retardant and formaldehyde. EnviroScreen meets the highest fire safety standards. The reflective coating ensures energy savings and visual comfort.



**MANUFACTURER INFORMATION**

MANUFACTURER: Verosol

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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

- |                                       |  |  |
|---------------------------------------|--|--|
| <b>AQU</b> Aquatic toxicity           | <b>GLO</b> Global warming                    | <b>PHY</b> Physical Hazard (reactive)                |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity | <b>REP</b> Reproductive toxicity                     |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple hazards                  | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                     | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>OZO</b> Ozone depletion                   | <b>LAN</b> Land Toxicity                             |
| <b>GEN</b> Gene mutation              | <b>PBT</b> Persistent Bioaccumulative Toxic  | <b>NF</b> Not found on Priority Hazard Lists         |

GreenScreen (GS)

- |   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)   | <b>LT-P1</b> List Translator Possible Benchmark 1  |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) BM-2 Benchmark 2 (use but search for safer substitutes) | <b>LT-1</b> List Translator Likely Benchmark 1   |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)  | <b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) |
| <b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)  | <b>UNK</b> 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

- Nano** Composed of nanoscale particles or nanotechnology

Declaration Level

- Self-declared** Manufacturer's self-declaration (First Party)
- Independent Lab** Manufacturer's self-declaration using results from an independent lab
- Second Party** Verification by trade association or other interested party
- Third Party** Verification by independent certifier
- 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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.