

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

**PRODUCT DESCRIPTION:** Verosol Originals types 812, 816, 849 and 878. Pleated blinds and roller blinds/shades out metallized polyester fabrics. Transparency ranges from non-transparent for privacy to very transparent for (one-way) view through. High reflectance of sunlight heat thanks to the aluminium metallization. Provides heat insulation thanks to low-E coating. Environmental friendly product. Inherently flame retardant product.

**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  
*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

**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**

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

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:**

Blind / Shading fabric based on inherently flame retardant polyester fabric with a reflective aluminium coating. Available as pleated and roller blind / shading. Verosol Originals are compliant to; REACH, Oekotex 100 class IV, Greenguard Gold, ISO14001 and RoHS2. PVC-free, phthalate-free, halogen-free, formaldehyde-free, antimony trioxide flame retardant 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: Greenguard and Greenguard Gold

Other: RoHS2

Management: ISO 14001:2004 Environmental management systems

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

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-09-11

PUBLISHED DATE: 2019-09-11

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)

### VEROSOL ORIGINALS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were screened using the toxnet database. This is a database of peer-reviewed scientific work. Residuals and impurities were listed at the substance level if any were noted. The noting of impurities does not conclude that they are present in the product's raw materials. The actual raw materials were not tested therefore the actual presence of impurities is unknown. They are listed in this HPD for reference only.

OTHER PRODUCT NOTES: Woven polyester fabrics with aluminum coating.

Verosol Originals Types 812, 816, 849 and 878

### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-11

#: 95.00 - 99.00

GS: LT-UNK

RC: None

NANO: No

ROLE: base fabric

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Inherently Flame Retardant Polyester yarns. Type Trevira CS [www.trevira.com](http://www.trevira.com).

Residual and impurities were screened using the toxnet database (<https://toxnet.nlm.nih.gov>). None were noted.

The available data on impurities of PET are from studies using bottles and food containers made up of PET and PET copolymers.

Under different experimental conditions, ethylene glycol and other monomers/processing aids have been detected. In most cases, the number of impurities detected was greatest in cases

of short time exposures and the level decreased with time. Whether the impurities broke down or were reabsorbed was not addressed.

Heat increases the amount of antimony (catalyst) that leaches into the contents of bottles and food packages. In

all cases, the amount is small.

Phthalates were also detected in PET-based containers and estrogenic activity was demonstrated in substances stored in these containers. PET is not considered an

orthophthalate, nor does PET require the use of phthalates or other softening additives.”

### ORGANOPHOSPHOROUS FLAME RETARDANTS (OPFRS)

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-11

#: 1.00 - 5.00

GS: NoGS

RC: None

NANO: No

ROLE: Flame retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Organic phosphorous compound incorporated in polyester polymer. Type Trevira CS [www.trevira.com](http://www.trevira.com)

**POLYURETHANE**

ID: 64440-88-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-09-11**%: **0.50 - 3.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **finish**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Polyurethane Dispersion****ALUMINUM**

ID: 7429-90-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-09-11**%: **0.10 - 0.50**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **reflective coating**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

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

#### Greenguard and Greenguard Gold

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2008-09-15**

EXPIRY DATE: **2019-12-15**

CERTIFIER OR LAB: **UL Environment**

APPLICABLE FACILITIES: **All**  
CERTIFICATE URL: <https://www.hpd-collaborative.org/>

CERTIFICATION AND COMPLIANCE NOTES: **Certificate 85669-420**

### OTHER

#### RoHS2

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2016-03-23**

EXPIRY DATE:

CERTIFIER OR LAB: **none**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **EnviroScreen Optimum is compliant to the restriction of Hazardous Substances Directive 2011/65/EU (RoHS2)**

### MANAGEMENT

#### ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-02-01**

EXPIRY DATE: **2020-02-20**

CERTIFIER OR LAB: **Tuv Rheinland**

APPLICABLE FACILITIES: **All**

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

CERTIFICATION AND COMPLIANCE NOTES: **none**

### MULTI-ATTRIBUTE

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

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-06-19**

EXPIRY DATE:

CERTIFIER OR LAB: **none**

APPLICABLE FACILITIES: **All**

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

CERTIFICATION AND COMPLIANCE NOTES:

### MULTI-ATTRIBUTE

#### Oekotex-100 Class-IV Certificate# 98.0.3658

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2008-04-23**

EXPIRY DATE: **2020-02-28**

CERTIFIER OR LAB: **Höhenstein**

APPLICABLE FACILITIES: **All**

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

CERTIFICATION AND COMPLIANCE NOTES: **Certificate 98.0.3658**

## 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 the lowest position.

## Section 5: General Notes

Verosol Originals are the original metallized pleated and roller blinds, free from PVC, plasticizer, halogens, antimony trioxide flame retardant and formaldehyde. Verosol Originals meet the highest fire safety standards. The reflective coating ensures energy savings and visual comfort. Different transparencies offer privacy or view through. Type Originals 890 is excluded from this HPD.



## MANUFACTURER INFORMATION

MANUFACTURER: **Verosol**

ADDRESS: **Kieftte 18**

**Eibergen Gelderland 7151HZ, Nederland**

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.*