

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

PRODUCT DESCRIPTION: VEROSOL ORIGINALS METALLIZED RECYCLABLE FLAME RETARDANT POLYESTER FABRICS FOR PLEATED AND ROLLER BLINDS / SHADES IN DIFFERENT TRANSPARENCIES. 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, 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

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

INVENTORY AND SCREENING NOTES:

Blind / Shading fabric based on inherently flame retardant polyester fibers with a reflective aluminium coating. Available as pleated and roller blind / shading. REACH, Oekotex 100 class IV, and RoHS2 compliant. PVC-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

VOC emissions: Greenguard and Greenguard Gold
 Formaldehyde content: Oekotex-100 Class-IV Certificate# 98.0.3658
 Other: RoHS2

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: March 10, 2017	EXPIRY DATE*: March 10, 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 and www.greenscreenchemicals.org.

ORIGINALS

%: 100.0000 - 100.0000

HPD URL: www.verosol.com

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Woven polyester fabrics with aluminum coating. Verosol Originals Types 812, 816, 849 and 878

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 95.0000 - 99.0000

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: Inherently Flame Retardant Polyester yarns. Type Trevira CS www.trevira.com

ORGANOPHOSPHOROUS FLAME RETARDANTS (OPFRS)

ID:

%: 1.0000 - 10.0000

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 incorporated in polyester polymer. Type Trevira CS www.trevira.com

POLYURETHANE

ID: 64440-88-6

%: 0.5000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: finish

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polyurethane Dispersion

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

FORMALDEHYDE CONTENT

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES:
 CERTIFICATE URL: www.oeko-tex.com
 CERTIFICATION AND COMPLIANCE NOTES: Öko-Tex 100 is an annual test which test several kind of topics like pH, formaldehyde, odor, etc.

Oekotex-100 Class-IV Certificate# 98.0.3658

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

OTHER

CERTIFYING PARTY: Self-declared
 APPLICABLE FACILITIES:
 CERTIFICATE URL:
 CERTIFICATION AND COMPLIANCE NOTES: Verosol originals are 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:



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.

VEROSOL ORIGINALS

HPD URL: www.verosol.com

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.



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

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2 Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK 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.