

CLASSIFICATION: 12 24 3.00 FURNISHINGS: ROLLER WINDOW SHADES

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Included in this HPD is the window shade fabric only. All assembly and system parts are excluded. This fabric can be used in roller shades and panel track applications to minimize the negative effects of the sun while preserving outward visibility. 4000 NET solar screen fabrics have an openness factor of 3% or 5% with a thickness of 0.029 in +/-5% or 0.027 in +/-5% respectively.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 1 of 1 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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..... 2
 Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1
 Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

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

SOLAR SCREEN [POLYVINYL CHLORIDE (PVC) (POLYVINYL CHLORIDE (PVC)) **LT-P1** | RES POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET)) **LT-UNK** BIS(2-ETHYLHEXYL) TEREPHTHALATE (BIS(2-ETHYLHEXYL) TEREPHTHALATE) **BM-3** CALCIUM CARBONATE (CALCIUM CARBONATE) **BM-3** TITANIUM DIOXIDE (TITANIUM DIOXIDE) **LT-1** | CAN | END ZINC STEARATE (ZINC STEARATE) **LT-P1** ANTIMONY TRIOXIDE (ANTIMONY TRIOXIDE) **BM-1** | MAM | CAN | AQU | MUL ZINC PYRITHIONE (ZPT) (ZINC PYRITHIONE (ZPT)) **BM-1tp** | MUL]

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 - Gold (previously Children & Schools)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
 VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2017-09-22
 PUBLISHED DATE: 2017-09-22
 EXPIRY DATE: 2020-09-22

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

SOLAR SCREEN

#: 100.0000

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities considered.

OTHER MATERIAL NOTES:

POLYVINYL CHLORIDE (PVC) (POLYVINYL CHLORIDE (PVC))

ID: 9002-86-2

#: 40.0000 - 60.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Polymer/Yarn Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET))

ID: 25038-59-9

#: 10.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Continuous PET filament/ yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BIS(2-ETHYLHEXYL) TEREPHTHALATE (BIS(2-ETHYLHEXYL) TEREPHTHALATE)

ID: 6422-86-2

#: 10.0000 - 20.0000

GS: BM-3

RC: None

NANO: No

ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: An alternate name for this substance is DOTP Dioctyl terephthalate

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

#: 5.0000 - 20.0000

GS: BM-3

RC: None

NANO: No

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: 13463-67-7

#: 1.0000 - 10.0000

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

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

SUBSTANCE NOTES:

ZINC STEARATE (ZINC STEARATE)

ID: 557-05-1

#: 0.5000 - 5.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Heat Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ANTIMONY TRIOXIDE (ANTIMONY TRIOXIDE)

ID: 1309-64-4

#: 0.5000 - 5.0000

GS: BM-1

RC: None

NANO: No

ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

ACUTE AQUATIC

EU - R-phrases

R51 - Toxic to Aquatic Organisms

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
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

SUBSTANCE NOTES:

ZINC PYRITHIONE (ZPT) (ZINC PYRITHIONE (ZPT))

ID: 13463-41-7

%: **0.1000 - 1.0000** GS: **BM-1tp** RC: **None** NANO: **No** ROLE: **Anti-bacterial Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES:

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 - Gold (previously Children & Schools)

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: SUNSHADOW 4000 NET SERIES
 CERTIFICATE URL:

ISSUE DATE: 2008-03-26
 EXPIRY DATE: 2018-03-26
 CERTIFIER OR LAB: UL Environment

CERTIFICATION AND COMPLIANCE NOTES: Certificate #: 4978-420 This product qualifies for LEED v4 EQ Credit Low-Emitting Materials 0.5 mg/m3 or less

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.

ASSEMBLY AND SYSTEM PARTS FOR ROLLER SHADES AND PANEL TRACK PRODUCTS.

HPD URL: <http://www.rolleaseacmeda.com/us/products/rollers>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
 HPDs for accessories not complete as of the publishing of this HPD.

MANUFACTURER INFORMATION

MANUFACTURER: **Rollease Acmeda**
ADDRESS: **200 Harvard Avenue,
Stamford CT 06902, USA**
WEBSITE: **<http://www.rolleseeacmeda.com/us/home>**

CONTACT NAME: **Patrick O'Connell**
TITLE: **VP of Global Quality & Continuous Improvement**
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EMAIL: **patrick.oconnell@rolleseeacmeda.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	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)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.