

CLASSIFICATION: N/A

PRODUCT DESCRIPTION: Cleanable, beautiful, sophisticated, and soft to the touch Sunbrella® Contract fabrics.

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

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.

[MATERIAL](#) | [SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)

[GREENSCREEN SCORE](#) | [HAZARD TYPE](#)

SUNBRELLA® CONTRACT PET WARP WITH MELANGE YARNS [[UNDISCLOSED](#) [NoGS](#)
POLYETHYLENE TEREPHTHALATE (PET) [LT-UNK](#) [UNDISCLOSED](#) [LT-UNK](#) [UNDISCLOSED](#) [LT-UNK](#)]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

No residuals or impurities are expected to be present at or above content inventory threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: GreenGuard - Gold (previously Children & Schools)

Multi-attribute: ACT facts - 2011 Platinum 3rd party

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-05-01

PUBLISHED DATE:

EXPIRY DATE: 2021-05-01

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

SUNBRELLA® CONTRACT PET WARP WITH MELANGE YARNS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present at or above content inventory threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER PRODUCT NOTES: Manufacturer has opted for the basic inventory display - chemical substances are listed by weight

#: 50.0000 - 70.0000 GS: NoGS RC: None NANO: No ROLE: Sunbrella® Acrylic Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS number not disclosed to protect supply chain.

POLYETHYLENE TEREPHTHALATE (PET)

ID: Undisclosed

#: 25.0000 - 45.0000 GS: LT-UNK RC: None NANO: No ROLE: Sunbrella® Polyester yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS number not disclosed to protect supply chain.

#: 0.2500 - 0.5000 GS: LT-UNK RC: None NANO: No ROLE: non-PFOA/PFOS based water repellent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS number not disclosed to protect supply chain.

#: 0.1000 - 0.2500 GS: LT-UNK RC: None NANO: No ROLE: softener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS number not disclosed to protect supply chain.

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: All

CERTIFICATE URL: [https://spot.ulprospector.com/documents/1455551.pdf?](https://spot.ulprospector.com/documents/1455551.pdf?bs=32509&b=677638&st=1&sl=60787851&crit=a2V5d29yZDpbc3VuYnJlbGxhXQ%3d%3d&k=sunbrella&r=na&ind=builtenvironment)

[bs=32509&b=677638&st=1&sl=60787851&crit=a2V5d29yZDpbc3VuYnJlbGxhXQ%3d%3d&k=sunbrella&r=na&ind=builtenvironment](https://spot.ulprospector.com/documents/1455551.pdf?bs=32509&b=677638&st=1&sl=60787851&crit=a2V5d29yZDpbc3VuYnJlbGxhXQ%3d%3d&k=sunbrella&r=na&ind=builtenvironment)

CERTIFICATION AND COMPLIANCE NOTES: GreenGuard Gold certification

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2007-08-14	2018-08-14	UL Environment

MULTI-ATTRIBUTE

ACT facts - 2011 Platinum
3rd party

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: [https://spot.ulprospector.com/documents/1554011.pdf?](https://spot.ulprospector.com/documents/1554011.pdf?bs=32509&b=746258&st=1&sl=60787851&crit=a2V5d29yZDpbc3VuYnJlbGxhXQ%3d%3d&k=sunbrella&r=na&ind=builtenvironment)

[bs=32509&b=746258&st=1&sl=60787851&crit=a2V5d29yZDpbc3VuYnJlbGxhXQ%3d%3d&k=sunbrella&r=na&ind=builtenvironment](https://spot.ulprospector.com/documents/1554011.pdf?bs=32509&b=746258&st=1&sl=60787851&crit=a2V5d29yZDpbc3VuYnJlbGxhXQ%3d%3d&k=sunbrella&r=na&ind=builtenvironment)

CERTIFICATION AND COMPLIANCE NOTES: Facts® Silver Third Party Certification NSF/ANSI 336 Certified by UL Environment

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2017-11-17	2019-03-11	UL Environment

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.

No accessories are required for this product.

Section 5: General Notes

none

MANUFACTURER INFORMATION

MANUFACTURER: **Glen Raven, Inc**
 ADDRESS: **1831 N. Park Avenue**
Burlington NC 27217, United States
 WEBSITE: **1831 N. Park Avenue**

CONTACT NAME: **Allen Hawks**
 TITLE: **Marketing Manager**
 PHONE: **3362212143**
 EMAIL: **ahawks@glenraven.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.