Plateau
by Arc-Com

Health Product Declaration v2.1

created via: HPDC Online Builder

CLASSIFICATION: N/A

PRODUCT DESCRIPTION: Crypton super fabrics meet demanding specifications for resistance to abrasion, drink spills, odor, liquid penetration and water- and oil-based stains. A Crypton super fabric is a finished fabric consisting of (1) the base fabric and (2) Crypton Technology. The base fabric is woven or knit by a manufacturer licensed by Crypton. It consists of fiber polymer, colorants and where applicable, fiber or yarn finishes. Crypton Technology consists of the materials and processes utilized by Crypton LLC's manufacturing plant in Kings Mountain, NC. This HPD is applicable to Crypton Super Fabric, its subset categories.

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

PLATEAU [DISPERSED DYED POLYESTER LT-UNK CRYPTON TECHNOLOGY MOISTURE BARRIER NoGS PRESERVATIVES WATER AND OIL REPELLENT (0.90%) AND ODOR/MILDEW RESISTANCE (0.03%) NoGS *<0.1% NSF 336 PREREQUISITE HAZARDS* NoGS]

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:

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)
Other: NSF/ANSI 336: Sustainability Standard for Commercial Furnishings Fabric - 2011 Compliant

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-08-24
PUBLISHED DATE: 2018-08-24
EXPIRY DATE: 2021-08-24

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

PLATEAU

PRODUCT THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This HPD covers all Crypton Super Fabrics containing 100% Polyester base fabrics.

OTHER PRODUCT NOTES:

DISPERSED DYED POLYESTER

ID: 25038-59-9

%: 60.0000 - 86.0000 GS: LT-UNK RC: None NANO: No ROLE: Surface

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Dyed fibers provide a durable, stylized surface. Dyed fiber accounts for 60-86% of the finished fabric weight. The wide weight range is due to the wide array of constructions (yarn sizes, weave structures, etc.) used to achieve desired aesthetics. Disperse dyed accounts for 0-3% of the dyed fiber weight and varies due to shades ranging from white to black.

CRYPTON TECHNOLOGY MOISTURE BARRIER

ID: Undisclosed

%: 26.0000 GS: NoGS RC: None NANO: No ROLE: Barrier

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: 14-40% (avg 26%) of Crypton Super Fabric is a moisture barrier consisting of acrylic and/or urethane polymer. Moisture barrier as a % of total weight varies widely (14-40%; avg 26%) due to wide variation in base fabric weights.

PRESERVATIVES WATER AND OIL REPELLENT (0.90%) AND ODOR/MILDEW RESISTANCE (0.03%)

ID: Undisclosed

%: 0.9300 GS: NoGS RC: None NANO: No ROLE: Preservative

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: <1% of Crypton Super Fabric is watr- and oil-repellent, high molecular weight polymer with EPA-approved short-chain fluorotechnology, and 0.03% is EPA-registered odor- and mildew-resistant preservative. These components extend the useful life of the fabric, reducing negative environmental impacts resulting from replacing fabrics more frequently.

<0.1% NSF 336 PREREQUISITE HAZARDS

ID: **Not Registered**

%: **Impurity/Residual** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Crypton LLC obtains input from material suppliers to ensure substances restricted by NSF/ANSI 336 (including CA Prop 65, among others) whether intentionally added or impurities, are not present beyond 1k ppm inventory threshold for Crypton technology.

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: Kings Mountain, NC
CERTIFICATE URL:

ISSUE DATE: 2012-04-26

EXPIRY DATE: 2019-04-26

CERTIFIER OR LAB: UL Environment

CERTIFICATION AND COMPLIANCE NOTES: Greenguard Gold certification is applicable to the finished Crypton Super Fabric (which contains Crypton Technology).

OTHER	NSF/ANSI 336: Sustainability Standard for Commercial Furnishings Fabric - 2011 Compliant

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Kings Mountain, NC
CERTIFICATE URL:

ISSUE DATE: 2014-12-08

EXPIRY DATE: 2019-12-07

CERTIFIER OR LAB: Scientific Certification Systems

CERTIFICATION AND COMPLIANCE NOTES: In order for a finished fabric to be certified to NSF/ANSI 336, materials and processes for the base fabrics must also be assessed. "Certification" pertains to the finished fabric (Crypton) while "validation" pertains to SCS's third-party assessment of Crypton Technology -- materials and processes utilized in Kings Mountain, NC.

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

NSF/ANSI 336: sustainability Assessment for Commercial Furnishings Fabric is the United States standard used to evaluate and certify sustainability of commercial furnishing fabrics over their entire product life cycle. Sustainability attributes include material safety, water consumption and quality, energy consumption, manufacturing and product emissions, recycling practices and social accountability. NSF/ANSI 336 was developed by the NSF National Center for Sustainability Standards (NCSS) through a consensus-based public process with a multi-stakeholder group of manufacturers, suppliers, regulatory agencies, academicians and other industry participants. This standard addresses the environmental, economic and social aspects of furnishing fabric products. Every Crypton Technology raw material was assessed according to pre-requisites in NSF/ANSI 336's Safety of Materials (inventory threshold 1k ppm).

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Arc-Com**
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Orangeburg NY 10962, USA
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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
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 (insuficient 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.