Expanse - WC2393 - Wallcovering by KnollTextiles

Health Product Declaration v2.2

HPD UNIQUE IDENTIFIER: 23419
CLASSIFICATION: 09 72 19 Textile Wall Coverings
PRODUCT DESCRIPTION: The luminosity and variation of a simple watercolor chart inspired Expanse. Staggered rows of rectangles appear to dance across the wall, reading more like a mural than a patterned wallcovering.

Section 1: Summary

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
- Other

Residuals/Impurities
- Characterized
- Considered in 2 of 3 Materials

Residuals/Impurities
- Yes
- No

Explanation(s) provided for Residuals/Impurities?
- 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.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>RESIDUAL OR IMPURITY</th>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VINYL FILM</td>
<td>POLYVINYL CHLORIDE</td>
<td>LT-P1</td>
<td>RES</td>
<td>DI(2-ETHYLHEXYL) TEREPTHALATE</td>
</tr>
<tr>
<td>POLYETHYLENE TEREPTHALATE</td>
<td>LT-UNK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADHESIVE</td>
<td>POLYVINYL CHLORIDE</td>
<td>LT-P1</td>
<td>RES</td>
<td>DI(2-ETHYLHEXYL) TEREPTHALATE</td>
</tr>
<tr>
<td>BRANCHED C10-ALKYL BENZOATES</td>
<td>NoGS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: Clean Air Gold

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: 2021-01-14
PUBLISHED DATE: 2021-01-14
EXPIRY DATE: 2024-01-14

Expanse - WC2393 - Wallcovering
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## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### VINYL FILM

<table>
<thead>
<tr>
<th>%: 64.1500 - 100.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 1000 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED: Yes</td>
</tr>
<tr>
<td>MATERIAL TYPE: Polymeric Material</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES: Trace amount of vinyl chloride monomer (CAS 75-01-4) may be present in the PVC resin at less than 1 ppm.</td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES:</td>
</tr>
</tbody>
</table>

### POLYVINYL CHLORIDE

<table>
<thead>
<tr>
<th>%: 35.8056 - 51.4419</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Structure component</td>
</tr>
</tbody>
</table>

### DI(2-ETHYLHEXYL) TEREPHTHALATE

<table>
<thead>
<tr>
<th>%: 17.9028 - 18.7062</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: BM-3dg</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Plasticizer</td>
</tr>
</tbody>
</table>

### ALUMINUM HYDROXIDE

<table>
<thead>
<tr>
<th>%: 12.4708 - 17.9028</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: BM-2</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Flame retardant</td>
</tr>
</tbody>
</table>

### CALCIUM CARBONATE

<table>
<thead>
<tr>
<th>%: 35.8056 - 51.4419</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Structure component</td>
</tr>
</tbody>
</table>

### SUBSTANCE NOTES:

- AOEC - Asthmagens
- Asthmagen (Rs) - sensitizer-induced

- No warnings found on HPD Priority Hazard Lists
### TITANIUM DIOXIDE
**ID:** 13463-67-7

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2021-01-14</td>
<td>3.1177 - 7.6726</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

None found

**WARNINGS**

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:**

This substance is not present in an airborne or respirable form.

### CARBON BLACK
**ID:** 1333-86-4

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2021-01-14</td>
<td>0.7794 - 1.1083</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

None found

**WARNINGS**

None found

**SUBSTANCE NOTES:**

This substance is not present in an airborne or respirable form.

### SOYBEAN OIL, EPOXIDIZED
**ID:** 8013-07-8

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2021-01-14</td>
<td>0.3897 - 0.8525</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Stabilizer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

None found

**WARNINGS**

None found

**SUBSTANCE NOTES:**

This substance is not present in an airborne or respirable form.
BLEEDE

HAZARD TYPE

None found

AGENCY AND LIST TITLES

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

BARIUM

ID: 7440-39-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-01-14

%: 0.3118 - 0.4263

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Stabilizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-01-14

%: 0.3118 - 0.4263

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Stabilizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

AQU

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

AQU

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MUL

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

PHY

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHY

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES:

NONWOVEN BACKING

%%: 9.8000 - 15.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: ____________________________

OTHER MATERIAL NOTES:
PULP, CELLULOSE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-01-14

%: 60.0000 - 71.4286
GS: NoGS
RC: None
NANO: No
SUBSTANCE ROLE: Structure component

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

HAZARD NOT ON FILE

ID: Not Registered

HAZARD SCREENING METHOD: Toxnot Chemical Hazard Screening Library
HAZARD SCREENING DATE: 2021-01-14

%: 20.4082 - 26.6667
GS: LT - UNK
RC: None
NANO: No
SUBSTANCE ROLE: Binder

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYETHYLENE TEREPTHALATE

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-01-14

%: 8.1633 - 13.3333
GS: LT-UNK
RC: PostC
NANO: No
SUBSTANCE ROLE: Structure component

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ADHESIVE

%: 1.4600 - 3.1500

PRODUCT THRESHOLD: 1000 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes
MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Trace amount of vinyl chloride monomer (CAS 75-01-4) may be present in the PVC resin at less than 1 ppm.

OTHER MATERIAL NOTES:
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYVINYL CHLORIDE</td>
<td>9002-86-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2021-01-14</td>
<td>57.1429</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Adhesive</td>
<td></td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>61.6438</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI(2-ETHYLHEXYL) TEREPTHALATE</td>
<td>6422-86-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2021-01-14</td>
<td>27.3973</td>
<td>BM-3dg</td>
<td>None</td>
<td>No</td>
<td>Plasticizer</td>
<td></td>
<td></td>
<td>None found</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>28.5714</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td>BRANCHED C10-ALKYL BENZOATES</td>
<td>131298-44-7</td>
<td>Pharos Chemical and Materials Library</td>
<td>2021-01-14</td>
<td>10.9589</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Plasticizer</td>
<td></td>
<td></td>
<td>None found</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14.2857</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

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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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Clean Air Gold</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>ISSUE DATE: 2020-07-10</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All</td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td>CERTIFIER OR LAB: Intertek</td>
</tr>
</tbody>
</table>

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

Textile warehousing and shipping from the Lubin Building located in East Greenville, Pennsylvania. This facility is also ISO 14001 and ISO 9001 Certified. Textiles can be purchased without finishes as a custom order to meet specific environmental standards, however, it may not comply with some contract market standards. Prior evaluation and approval is required by KnollTextiles. Confidentiality Notice: This data is intended for the use of the individual or entity to which it is addressed and may contain confidential information that is privileged, confidential and exempt from disclosure under applicable law. Information has been provided by the supplier to the best of their knowledge at time of completion.
MANUFACTURER INFORMATION

MANUFACTURER: KnollTextiles
ADDRESS: 120 W Pumping Station Road Suite A
Quakertown Pennsylvania 18951, USA
WEBSITE: www.knolltextiles.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- LAN Land toxicity
- MAM Mammalian/systemic/organ toxicity
- MULT Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic
- PHY Physical hazard (flammable or reactive)
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- UNK Unknown

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 (due to insufficient data)
- LT-P1 List Translator Possible 1 (Possible Benchmark-1)
- LT-1 List Translator 1 (Likely Benchmark-1)
- LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
- NoGS No GreenScreen.

Recycled Types

- PreC Pre-consumer recycled content
- PostC Post-consumer recycled content
- UNK Inclusion of recycled content is unknown
- None Does not include recycled content

Other Terms:

- GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.