Knoll Felt - K1207 - Upholstery
by KnollTextiles

HPD UNIQUE IDENTIFIER: 21710
CLASSIFICATION: 12 05 13 Fabrics

PRODUCT DESCRIPTION: This classic solid upholstery fabric is a wool felted product of which shedding is a natural characteristic.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Residuals/Impurities</td>
</tr>
<tr>
<td>Nested Materials Method</td>
<td>1,000 ppm</td>
<td>Considered in 7 of 7 Materials</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Per GHS SDS</td>
<td>Explanation(s) provided for Residuals/Impurities?</td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Yes Ex/SC Yes No</td>
</tr>
</tbody>
</table>

All Substances Above the Threshold Indicated Are:

Characterized: Yes Ex/SC Yes No

% weight and role provided for all substances except SC substances characterized according to SC guidance.

Screened: Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

Identified: Yes Ex/SC Yes No

All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.

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 |
-----------|-----------|----------------------|-------------------|-------------|

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
Special conditions applied: BiologicalMaterial [LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

The product inventory was screened to the 1,000 ppm threshold and all materials and substances above the threshold have been disclosed.

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 Silver

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

### WOOL

<table>
<thead>
<tr>
<th>%: 93.0000 - 100.0000</th>
</tr>
</thead>
</table>

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes  
**MATERIAL TYPE:** Animal-Based Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**

<table>
<thead>
<tr>
<th>SC:WOOL</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-11

<table>
<thead>
<tr>
<th>%: 100.0000</th>
</tr>
</thead>
</table>

**GS:** Not Screened  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Textile component

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

| Hazard Screening not performed |

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23  
Category: Animal-based materials  
Identifier: Wool

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

### WATER

<table>
<thead>
<tr>
<th>%: 0.5000 - 0.5000</th>
</tr>
</thead>
</table>

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes  
**MATERIAL TYPE:** Other Biological Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**

Knoll Felt - K1207 - Upholstery  
hpdrepository.hpd-collaborative.org  
HPD v2.2 created via HPDC Builder Page 2 of 8
### WATER

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-11

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100.0000 - 100.0000</td>
<td>BM-4</td>
<td>None</td>
<td>Unknown</td>
<td>Diluent</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

**SODIUM SULFATE**

<table>
<thead>
<tr>
<th>%</th>
<th>0.5000 - 0.5000</th>
</tr>
</thead>
</table>

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

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**

### SULFURIC ACID DISODIUM SALT

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-11

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100.0000 - 100.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>Unknown</td>
<td>Dye</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

### C.I. PIGMENT GREEN 18

<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 1.5000</th>
</tr>
</thead>
</table>

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

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**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>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. PIGMENT GREEN 18</td>
<td>12001-99-9</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-09-11</td>
<td>0.0000 - 100.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>Unknown</td>
<td>Pigment</td>
</tr>
<tr>
<td>C.I. PIGMENT BLUE 73</td>
<td>68187-40-6</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-09-11</td>
<td>0.0000 - 1.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>Unknown</td>
<td>Pigment</td>
</tr>
<tr>
<td>C.I. PIGMENT RED 109</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-09-11</td>
<td>0.0000 - 1.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>Unknown</td>
<td>Pigment</td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-11

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

**SKIN SENSITIZE**

| MAK | Sensitizing Substance Sh - Danger of skin sensitization |

**SUBSTANCE NOTES:**

**C.I. PIGMENT BLUE 73**

**%:** 0.0000 - 1.5000

**PRODUCT THRESHOLD:** 1000 ppm

**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**MATERIAL TYPE:** Polymeric Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**

**C.I. PIGMENT BLUE 73**

**%:** 0.0000 - 1.5000

**PRODUCT THRESHOLD:** 1000 ppm

**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**MATERIAL TYPE:** Polymeric Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**

**C.I. PIGMENT RED 109**

**%:** 0.0000 - 1.5000

**PRODUCT THRESHOLD:** 1000 ppm

**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**MATERIAL TYPE:** Polymeric Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**
### C.I. PIGMENT RED 109

**ID:** 1345-24-0  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-11

<table>
<thead>
<tr>
<th>%: 0.0000 - 100.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: Unknown</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

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

**SUBSTANCE NOTES:**

---

### C.I. PIGMENT YELLOW 37

<table>
<thead>
<tr>
<th>%: 0.0000 - 1.5000</th>
<th>GS: BM-1</th>
<th>RC: None</th>
<th>NANO: Unknown</th>
</tr>
</thead>
</table>

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

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered and determined below the 1,000 ppm threshold.

**OTHER MATERIAL NOTES:**

---

### LEAD SULFOCHROMATE YELLOW

**ID:** 1344-37-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-11

<table>
<thead>
<tr>
<th>%: 0.0000 - 100.0000</th>
<th>GS: BM-1</th>
<th>RC: None</th>
<th>NANO: Unknown</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS** |
--- | --- | --- |
DEVELOPMENTAL | G&L - Neurotoxic Chemicals | Developmental Neurotoxicant |
CANCER | IARC | Group 1 - Agent is Carcinogenic to humans |
CANCER | IARC | Group 2a - Agent is probably Carcinogenic to humans |
CANCER | CA EPA - Prop 65 | Carcinogen |
DEVELOPMENTAL | CA EPA - Prop 65 | Developmental toxicity |
REPRODUCTIVE | CA EPA - Prop 65 | Reproductive Toxicity - Female |
REPRODUCTIVE | CA EPA - Prop 65 | Reproductive Toxicity - Male |
CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
CANCER | US NIH - Report on Carcinogens | Reasonably Anticipated to be Human Carcinogen |
PBT | US EPA - Toxics Release Inventory PBTs | PBT |
CANCER | EU - SVHC Authorisation List | Carcinogenic - Candidate list |
CANCER | EU - SVHC Authorisation List | Carcinogenic - Banned unless Authorised |
<table>
<thead>
<tr>
<th>Category</th>
<th>Source</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - SVHC Authorisation List</td>
<td>Toxic to reproduction - Banned unless Authorised</td>
</tr>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H410 - Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>EU - GHS (H-Statements)</td>
<td>H360Df - May damage the unborn child. Suspected of damaging fertility</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 2 - Considered to be carcinogenic for man</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Korea</td>
<td>Carcinogenicity - Category 1 [H350 - May cause cancer]</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - Korea</td>
<td>Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - New Zealand</td>
<td>6.8A - Known or presumed human reproductive or developmental toxicants</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1B [H350]</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - Japan</td>
<td>Toxic to reproduction - Category 1 [H360]</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>MAK</td>
<td>Germ Cell Mutagen 2</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>MAK</td>
<td>Germ Cell Mutagen 3a</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - Annex VI CMRs</td>
<td>Reproductive Toxicity - Category 1A</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>GHS - Australia</td>
<td>H360Df - May damage the unborn child. Suspected of damaging fertility</td>
</tr>
</tbody>
</table>

**Substance Notes:**

- Knoll Felt - K1207 - Upholstery
- hpdrepository.hpd-collaborative.org
- HPD v2.2 created via HPDC Builder Page 6 of 8
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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-07-10</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>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
- MUL Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic

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.