Fission Chips is a pattern based on a printed drapery fabric from 1950 that Schnee describes as "cut logs with different textures." Designed by Ruth Adler Schnee, one of the founding figures of contemporary textile design in America.

### Section 1: Summary

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Residuals/Impurities Considered in 0 of 2 Materials</th>
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<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Yes Ex/SC</td>
<td>Yes</td>
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<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Yes Ex/SC</td>
<td>Yes</td>
</tr>
<tr>
<td>Threshold Disclosed Per Material</td>
<td>Per GHS SDS</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**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**

- **POLYESTER FIBER/YARN** [POLYETHYLENE TEREPTHALATE] LT-UNK
- **TITANIUM DIOXIDE** LT-1
- **DYES** [1H-INDENE-1,3(2H)-DIONE, 2-(4-BROMO-3-HYDROXY-2-QUINOLINYL)-] LT-UNK 1H-NAPHTH[2,3-F]ISONDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-[3-METHOXYPROPYL]- LT-UNK 1H-NAPHTH[2,3-F]ISONDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-[3-[2-METHOXYETHOXY]PROPYL]- LT-UNK 9,10-ANTHRACENEDIONE, 1,5-DIAMINOCHLORO-4,8-DIHYDROXY- LT-UNK 9,10-ANTHRACENEDIONE, 1,5-DIHYDROXY-4-NITRO-8-(PHENYLAMINO)-NoGS 9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-4-NITRO-5-(PHENYLAMINO)- LT-P1 | PBT 9,10-ANTHRACENEDIONE, 1-AMINO-4-HYDROXY-2-PHENOXY- LT-UNK ACETAMIDE, N-[5-[BIS[2-(ACETOXY)ETHYL]AMINO]-2-[2-BROMO-4,6-DINITROPHENYL]AZO]-4-ETHOXYPHENYL]- LT-P1 | PBT BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)- LT-UNK PROPA NITRILE, 3,3’-[4-[2,6-DICHLORO-4-NITROPHENYL]DIAZENYL]PHENYL]IMINO]-BIS- NoGS ]

### 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:** 2021-05-21

**PUBLISHED DATE:** 2021-05-21

**EXPIRY DATE:** 2024-05-21

---

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

**Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1**

**Nanomaterial ... No**

**INVENTORY AND SCREENING NOTES:**

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

### POLYESTER FIBER/YARN

- **%**: 97.0000 - 99.0000
- **PRODUCT THRESHOLD**: 1000 ppm
- **RESIDUALS AND IMPURITIES CONSIDERED**: No
- **MATERIAL TYPE**: Polymeric Material
- **RESIDUALS AND IMPURITIES NOTES**: ______________________________
- **OTHER MATERIAL NOTES**: _

### POLYETHYLENE TEREPHTHALATE

- **ID**: 25038-59-9
- **HAZARD SCREENING METHOD**: Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE**: 2021-05-21 18:56:21
- **%**: 99.0000 - 99.0000
- **GS**: LT-UNK
- **RC**: Both
- **NANO**: Unknown
- **SUBSTANCE ROLE**: Textile component
- **HAZARD TYPE**
- **AGENCY AND LIST TITLES**
- **WARNINGS**

None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:**

### TITANIUM DIOXIDE

- **ID**: 13463-67-7
- **HAZARD SCREENING METHOD**: Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE**: 2021-05-21 18:56:22
- **%**: 0.3000 - 0.5000
- **GS**: LT-1
- **RC**: Both
- **NANO**: Unknown
- **SUBSTANCE ROLE**: Opacifier
- **HAZARD TYPE**
- **AGENCY AND LIST TITLES**
- **WARNINGS**

**CAN**
- EU - GHS (H-Statements)
- H351 - Suspected of causing cancer

**CAN**
- US CDC - Occupational Carcinogens
- Occupational Carcinogen

**CAN**
- CA EPA - Prop 65
- Carcinogen - specific to chemical form or exposure route

**CAN**
- IARC
- Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

**CAN**
- MAK
- Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**END**
- TEDX - Potential Endocrine Disruptors
- Potential Endocrine Disruptor

**CAN**
- MAK
- Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

**SUBSTANCE NOTES:** bound in polymer

### DYES

- **%**: 1.0000 - 3.0000
- **PRODUCT THRESHOLD**: 1000 ppm
- **RESIDUALS AND IMPURITIES CONSIDERED**: No
- **MATERIAL TYPE**: Polymeric Material
- **RESIDUALS AND IMPURITIES NOTES**: ______________________________
1H-INDENE-1,3(2H)-DIONE, 2-(4-BROMO-3-HYDROXY-2-QUINOLINYL)-

ID: 10319-14-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-05-21 18:56:16

%: 100.0000 - 100.0000
GS: LT-UNK
RC: Both
NANO: Unknown
SUBSTANCE ROLE: Dye

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1H-NAPTH[2,3-F]ISOINDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-(3-METHOXYPROPYL)-

ID: 12217-80-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-05-21 18:56:17

%: 100.0000 - 100.0000
GS: LT-UNK
RC: Both
NANO: Unknown
SUBSTANCE ROLE: Dye

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1H-NAPTH[2,3-F]ISOINDOLE-1,3,5,10(2H)-TETRONE, 4,11-DIAMINO-2-(3-[2-METHOXYETHOXY]PROPYL)-

ID: 65059-45-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-05-21 18:56:17

%: 100.0000 - 100.0000
GS: LT-UNK
RC: Both
NANO: Unknown
SUBSTANCE ROLE: Dye

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1,5-DIAMINOCHLORO-4,8-DIHYDROXY-

ID: 12217-79-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-05-21 18:56:18

%: 100.0000 - 100.0000
GS: LT-UNK
RC: Both
NANO: Unknown
SUBSTANCE ROLE: Dye

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

9,10-ANTHRACENEDIONE, 1,5-DIHYDROXY-4-NITRO-8-(PHENYLAMINO)-

ID: 3065-87-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2021-05-21 18:56:18

%: 100.0000 - 100.0000
GS: NoGS
RC: Both
NANO: Unknown
SUBSTANCE ROLE: Dye
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<th>RC</th>
<th>NANO:</th>
<th>SUBSTANCE ROLE</th>
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<tr>
<td>9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-4-NITRO-5-(PHENYLAMINO)-</td>
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<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td>Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)</td>
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<tr>
<td>9,10-ANTHRACENEDIONE, 1-AMINO-4-HYDROXY-2-PHENOXY-</td>
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<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
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<td>ACETAMIDE, N-[5-[BIS[2-(ACETYLOXY)ETHYL]AMINO]-2-[(2-BROMO-4,6-DINITROPHENYL)azo]-4-ETHOXYPHENYL]</td>
<td>12239-34-8</td>
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<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td>Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)</td>
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<td>BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)-</td>
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<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
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**Fission Chips - C1670 - Cubicle**

**hpdrepository.hpd-collaborative.org**

**HPD v2.2 created via HPDC Builder Page 4 of 7**
<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
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<td>HAZARD SCREENING DATE:</td>
<td>2021-05-21 18:56:21</td>
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<tr>
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<tbody>
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<td>GS:</td>
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</tr>
<tr>
<td>RC:</td>
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</tr>
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<td>SUBSTANCE ROLE:</td>
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<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
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<tbody>
<tr>
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<td>No warnings found on HPD Priority Hazard Lists</td>
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<th>SUBSTANCE NOTES:</th>
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<tbody>
<tr>
<td>Fission Chips - C1670 - Cubicle hpdrepository.hpd-collaborative.org</td>
<td></td>
</tr>
</tbody>
</table>
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>
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<tr>
<td>CERTIFYING PARTY:</td>
<td>Third Party</td>
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<tr>
<td>APPLICABLE FACILITIES:</td>
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<td>CERTIFICATE URL:</td>
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<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
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</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.
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.