Panolam FRL (Fiber Reinforced Laminate) by Panolam Industries International Inc

CLASSIFICATION: 09 77 00

PRODUCT DESCRIPTION: FRL® Fiber Reinforced Laminate is the ideal wall surfacing solution for high traffic environments that need to be aesthetically pleasing and stay looking sharp. A patented product from Panolam® Surface Systems, this Class A solid construction with fiberglass reinforcement gives FRL® panels their unique qualities. These include ease of application, job-site workability, long-lasting style and durability year-after-year. FRL® panels are high-impact resistant, easy to clean and come in a wide range of colors and finishes.

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

All Substances Above the Threshold Indicated Are:
- Characterized: Yes Ex/SC Yes No
- % weight and role provided for all substances:
- Screened: Yes Ex/SC Yes No
- All substances screened using Priority Hazard Lists with results disclosed:
- Identified: Yes Ex/SC Yes No
- All substances disclosed by Name (Specific or Generic) and Identifier:

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
--- | --- | --- | --- | ---
PANOLAM FRL (FIBER REINFORCED LAMINATE) | CELLULOSE, MICROCRYSTALLINE NoGS | ALUMINA TRIHYDRATE BM-2 | RES PHENOL FORMALDEHYDE LT-P1 | RES MELAMINE FORMALDEHYDE LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) (GLASS / MINERAL FIBER) LT-UNK | CAN ALUMINUM OXIDE BM-2 | RES |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: UL/GreenGuard Certified
VOC emissions: UL/GreenGuard Gold Certified
Sustainable forestry: FSC Certification - Chain of Custody (COC)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #: 
SCREENING DATE: 2019-01-25
PUBLISHED DATE: 2019-09-26
EXPIRY DATE: 2022-01-25
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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### PANOLAM FRL (FIBER REINFORCED LAMINATE)

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Product is tested on a quarterly basis for it’s UL Greenguard Gold certification

**OTHER PRODUCT NOTES:** UL Environment is an organization that oversees the GREENGUARD certification program for indoor air quality. The goal of the program is to improve public health and quality of life by helping manufacturers build better and safer products. Panolam Surface Systems® is proud to be recognized by this organization with GREENGUARD and GREENGUARD GOLD certification on many of our products.

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-25</th>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CELLULOSE, MICROCRYSTALLINE</td>
<td>9004-34-6</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-01-25</td>
<td>45.00 - 65.00</td>
<td>NoGS</td>
<td>PreC</td>
<td>No</td>
<td>Primary component</td>
</tr>
<tr>
<td>ALUMINA TRIHYDRATE</td>
<td>21645-51-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-01-25</td>
<td>15.00 - 35.00</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Fire Retardant</td>
</tr>
<tr>
<td>PHENOL FORMALDEHYDE</td>
<td>9003-35-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-01-25</td>
<td>15.00 - 35.00</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Resin for Kraft paper core</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**
- Primary component of FRL is paper
- Fire retardant agent in paper
- Resin for Kraft paper core

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Panolam FRL (Fiber Reinforced Laminate)  
hpdrepository.hpd-collaborative.org  
HPD v2.1.1 created via HPDC Builder Page 2 of 6
### Melamine Formaldehyde

**ID:** 9003-08-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-25  
**%:** 5.00 - 25.00  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Decorative Paper Resin

**WARNINGS:** None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Resin used to bind decorative paper to kraft core. The resin is reacted in the manufacturing process to form the cured polymer.

### Solid Glass and Glass / Mineral Fiber (See Variants) (Glass / Mineral Fiber)

**ID:** 65997-17-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-25  
**%:** 5.00 - 25.00  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Laminate Core

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

**WARNINGS:** None found

**SUBSTANCE NOTES:**

### Aluminum Oxide

**ID:** 1344-28-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-25  
**%:** 0.50 - 5.00  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Protective surface for laminate

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

**WARNINGS:** None found

**SUBSTANCE NOTES:** Combined with resin or in decorative paper to improve scratch resistance of product
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

**UL/GreenGuard Certified**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Auburn Maine Manufacturing plant and all Distribution centers</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2005-08-02</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-04-04</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

### VOC EMISSIONS

**UL/GreenGuard Gold Certified**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Auburn Maine manufacturing plant and all Distribution Centers</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2008-04-09</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-04-04</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

### SUSTAINABLE FORESTRY

**FSC Certification - Chain of Custody (COC)**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Auburn Maine manufacturing plant and all Distribution Centers</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-04-26</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2024-04-26</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Rainforest Alliance/NEPCON</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

FSC product available upon request

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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.

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Section 5: General Notes

UL Environment is an organization that oversees the GREENGUARD certification program for indoor air quality. The
goal of the program is to improve public health and quality of life by helping manufacturers build better and safer products. Panolam Surface Systems® is proud to be recognized by this organization with GREENGUARD and GREENGUARD GOLD certification on many of our products.
**MANUFACTURER INFORMATION**

**MANUFACTURER:** Panolam Industries International Inc  
**ADDRESS:** 1 Corporate Drive - Suite 725  
Shelton, CT 06484, USA  
**WEBSITE:** www.panolam.com

**CONTACT NAME:** Jeffrey O'Hearn  
**TITLE:** Sr. Director of Environmental and Safety  
**PHONE:** 203-925-1556  
**EMAIL:** jeffrey_ohearn@panolam.com

**KEY**

<table>
<thead>
<tr>
<th>OSHA MSDS</th>
<th>Occupational Safety and Health Administration Material Safety Data Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS SDS</td>
<td>Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
</tr>
</tbody>
</table>

**Hazard Types**

<table>
<thead>
<tr>
<th>AQU</th>
<th>Aquatic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**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 Certification 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.