

HPD UNIQUE IDENTIFIER: 22902

CLASSIFICATION: 06 00 00 Wood, Plastics, and Composites

PRODUCT DESCRIPTION: High Pressure Decorative Laminates (HPL) are made from paper, thermoset resins, pigments and various fillers which are consolidated under high pressure and heat into a sheet. HPL is suitable for horizontal and vertical applications including but not limited to countertops, table tops, furniture, case goods, wall panels, interior architectural doors and partitions.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold level, Residuals/Impurities, and Explanation(s) provided for Residuals/Impurities? Each column contains radio button options and descriptive text.

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 ARBORITE HIGH PRESSURE DECORATIVE LAMINATE [ WOOD/CELLULOSE FIBER (KRAFT/DECORATIVE/OVERLAY) NoGS PHENOLIC RESIN LT-P1 | RES MELAMINE RESIN LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 0 Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1 Nanomaterial ... No

INVENTORY AND SCREENING NOTES: \*Greenguard certificates referenced below, residual emissions < 7 ppb \*\*Full ingredients disclosure withheld to protect proprietary formulation

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: UL/GreenGuard Gold Certified Other: NSF / ANSI 35 Sustainable forestry: FSC Certification - Chain of Custody (COC) Recycled content: SCS Recycled Content Certification - Products

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Summary table with 3 columns: Third Party Verified?, PREPARER: Self-Prepared, SCREENING DATE: 2020-11-02. Includes VERIFIER, VERIFICATION #, PUBLISHED DATE: 2020-11-12, and EXPIRY DATE: 2023-11-02.

## 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)

### ARBORITE HIGH PRESSURE DECORATIVE LAMINATE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: UL-E Greenguard testing is recertified annually. For current certificate see [www.arborite.com](http://www.arborite.com)

OTHER PRODUCT NOTES: High Pressure Decorative Laminates (HPL) are made from paper, thermoset resins, pigments and various fillers which are consolidated under high pressure and heat into a sheet. The monomers and polymers react under these conditions to polymerize into a thermoset hard resin system. The residuals are a very small fraction of the unreacted monomers and are less than 7.3 parts per billion according to the UL 2818 Greenguard test protocol.

#### WOOD/CELLULOSE FIBER (KRAFT/DECORATIVE/OVERLAY)

ID: 65996-61-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-11-02

#: 40.0000 - 80.0000 GS: NoGS 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: Post-consumer recycled content varies by product type. For detailed information see [www.arborite.com](http://www.arborite.com)

#### PHENOLIC RESIN

ID: 9003-35-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-11-02

#: 15.0000 - 34.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Exposure would occur only during paper treating operations in manufacturing.

#### MELAMINE RESIN

ID: 9003-08-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-11-02

#: 2.3000 - 15.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

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

SUBSTANCE NOTES: Exposure would occur only during paper treating operations in manufacturing.

## 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 Gold Certified		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Temple, TX and Fletcher, NC CERTIFICATE URL: <a href="https://www.arborite.com/resources?category=Sustainability&amp;p=1">https://www.arborite.com/resources?category=Sustainability&amp;p=1</a>	ISSUE DATE: 2009-10-19	EXPIRY DATE:	CERTIFIER OR LAB: UL E GreenGuard
CERTIFICATION AND COMPLIANCE NOTES: Certification is renewed on an annual basis. The UL-E Greenguard Gold certification program shows compliance in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017. Additional information can be found in Section 5. UL-E Greengold Certificates of Compliance: 1903-420 - 30PL, 1900-420 - A3, 1901-420 - A4, 1902-420 - A5, 1915-420 - Compact - Freestanding Laminates, 1904-420 - GPPL			
OTHER	NSF / ANSI 35		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Temple, TX and Fletcher, NC CERTIFICATE URL:	ISSUE DATE: 2012-08-07	EXPIRY DATE:	CERTIFIER OR LAB: NSF
CERTIFICATION AND COMPLIANCE NOTES: Types: 30PL, A3, A4, A5 and GPPL. Work contact surfaces acceptable as nonwork surfaces.			
SUSTAINABLE FORESTRY	FSC Certification - Chain of Custody (COC)		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Temple, TX and Fletcher, NC CERTIFICATE URL: <a href="https://www.arborite.com/resources?category=Sustainability&amp;p=2">https://www.arborite.com/resources?category=Sustainability&amp;p=2</a>	ISSUE DATE: 2019-06-24	EXPIRY DATE:	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES: The Forest Stewardship Council (FSC) is an independent, non-government, not-forprofit organization established to promote responsible forest management practices. FSC forest management certification is awarded to forest managers who adopt practices that provide environmental, social and economic benefits. FSC Mixed Certificate for Laminate: SCS-COC-002415 FSC Mix Credit			
RECYCLED CONTENT	SCS Recycled Content Certification - Products		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Temple, TX and Fletcher, NC CERTIFICATE URL: <a href="https://www.arborite.com/resources?category=Sustainability&amp;p=2">https://www.arborite.com/resources?category=Sustainability&amp;p=2</a>	ISSUE DATE: 2020-08-01	EXPIRY DATE:	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES: Recycle content is typically present in Arborite HPL products. The recycle content of the wood/cellulose fiber layers may vary depending on the product type, thickness and other attributes. For certificates covering specific products see: <a href="https://www.arborite.com/resources?category=Sustainability&amp;p=2">https://www.arborite.com/resources?category=Sustainability&amp;p=2</a>			

## 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.

<b>WILSONART BRAND ADHESIVES</b>	HPD URL: <a href="https://www.wilsonart.com/adhesives-products">https://www.wilsonart.com/adhesives-products</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Adhesives are used to bond HPL to various substrates including particleboard, medium density fiberboard and hardwood faced plywood.	
<b>WILSONART DECORATIVE EDGE</b>	HPD URL: <a href="https://www.wilsonart.com/laminate-edge-options">https://www.wilsonart.com/laminate-edge-options</a>

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Eliminate the flat edges and brown seams traditionally associated with laminate surfaces with Wilsonart Decorative Edges. Available in a range of profiles offering modern look found on more expensive natural stone and engineered quartz.

## Section 5: General Notes

Laminates are evaluated under the UL 2818 "GREENGUARD Certification Program For Chemical Emissions for Building Materials, Finishes and Furnishings". Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2- 2017 in the office environment; while commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3 in a private office environment.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Wilsonart  
**ADDRESS:** 2501 Wilsonart Drive  
**P.O. Box 6110**  
**Temple TX 76503-6110, USA**  
**WEBSITE:** <https://www.wilsonart.com>

**CONTACT NAME:** Richard Conde  
**TITLE:** Technical Services  
**PHONE:** 800-433-3222  
**EMAIL:** [smartline@wilsonart.com](mailto:smartline@wilsonart.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**

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

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**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.*