

HPD UNIQUE IDENTIFIER: 23039

CLASSIFICATION: 06 06 00 Schedules for Wood, Plastics, and Composites

PRODUCT DESCRIPTION: High Pressure Laminate (HPL) by Lamitech is made from kraft and decorative papers impregnated with thermoset resins, consolidated into a laminate by submitting it to high pressure and high temperature. Uses of High Pressure Laminate include kitchen worktops, cabinets, bathrooms, offices and other commercial and institutional applications.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p><b>Inventory Reporting Format</b></p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p>	<p><b>Threshold level</b></p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p><b>Residuals/Impurities</b></p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p><b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p>
<p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>		<p><b>Explanation(s) provided for Residuals/Impurities?</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p>
			<p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and Identifier.</i></p>

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**  
**HIGH PRESSURE LAMINATE [ PHENOL FORMALDEHYDE LT-P1 ] | RES**  
**KRAFT PAPER NoGS CELLULOSE PULP NoGS MELAMINE**  
**FORMALDEHYDE 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:

All substances above the threshold Indicated are identified, screened and characterized.

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: GreenGuard - Gold (previously Children & Schools) - Provisional

Formaldehyde emissions: GreenGuard - Gold (previously Children & Schools) - Provisional

Sustainable forestry: FSC Certification - Chain of Custody (COC)

CONSISTENCY WITH OTHER PROGRAMS

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

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-11-30

PUBLISHED DATE: 2020-11-30

EXPIRY DATE: 2023-11-30

*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)*

### HIGH PRESSURE LAMINATE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals that contaminate the final product are considered as unavoidable impurities generated in the fabrication process. Every product is screened through our quality standards and impurities might pass the screening, not affecting the final product in its performance nor its hazard level. The most common impurities are, traces of resin or paper that affect the product aesthetically and if detected they are retain in our factory. The contaminated products that leave the factory have impurities of less than 100 ppm in material by weight.

OTHER PRODUCT NOTES: Other residue may appear under VOCs which are tested by UL under UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.

**PHENOL FORMALDEHYDE**

ID: 9003-35-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-11-30**%: **15.0000 - 30.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: Used as a binder for the kraft paper.

**KRAFT PAPER**

ID: 65996-61-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-11-30**%: **10.0000 - 30.0000** 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: Used as structural component for HPL.

**CELLULOSE PULP**

ID: 65996-61-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-11-30**%: **5.0000 - 20.0000** 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: Used as a structure component and as a decorative layer.

**MELAMINE FORMALDEHYDE**

ID: 9003-08-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-11-30**%: **2.0000 - 22.0000** 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: Used as a binder for the decorative layer.

## 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.

<b>VOC EMISSIONS</b>	<b>GreenGuard - Gold (previously Children &amp; Schools) - Provisional</b>		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-08-31	EXPIRY DATE: 2021-07-23	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: Cartagena, Colombia			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: TVOC and Individual VOCs tested under UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.			
<b>FORMALDEHYDE EMISSIONS</b>	<b>GreenGuard - Gold (previously Children &amp; Schools) - Provisional</b>		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-08-31	EXPIRY DATE: 2021-07-23	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: Cartagena, Colombia			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Formaldehyde emissions tested under UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings			
<b>SUSTAINABLE FORESTRY</b>	<b>FSC Certification - Chain of Custody (COC)</b>		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-07-08	EXPIRY DATE: 2023-04-28	CERTIFIER OR LAB: SGS Société Générale de Surveillance SA
APPLICABLE FACILITIES: Cartagena, Colombia			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: SGSCH-COC-009857 SGSCH-CW-009857			

## 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>POLYVINYL ACETATE</b>	<b>HPD URL: No HPD available</b>
<b>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</b>	
When it comes to industrial applications it's recommended PVA (polyvinyl acetate) adhesives, which are not heat reactive and have high resistance to moisture as binders to use on wood base substrates. For a good adhesion to the substrate, we recommend to applying 80 -140 gr / m2 of PVA adhesive and apply a pressure of 7 to 9 kg / cm2. At the end of the application, if there is residual adhesive residue on the laminate, wipe the surface with a soft cloth moistened with an organic solvent or a 50:50 mixture of alcohol-organic solvent.	

## Section 5: General Notes

Other CSI Classifications of the product: 06 41 16 Plastic-Laminate-Clad Architectural Cabinets 06 42 19 Plastic-Laminate-Faced Wood Paneling 08 14 23.16 Plastic-Laminate-Faced Wood Doors 08 15 13 Laminated Plastic Doors 10 21 13.16 Plastic-Laminate-Clad Toilet Compartments 11 26 19 Plastic-Laminate-Clad Unit Kitchens 12 32 16 Manufactured Plastic-Laminate-Clad Casework 12 35 53.16 Plastic-Laminate-Clad Laboratory Casework 12 36 23.13 Plastic-Laminate-Clad Countertops 12 51 16.19 Plastic-Laminate-Clad Case Goods

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Lamitech  
**ADDRESS:** Vía Mamonal Km. 13  
**Cartagena Bolivar 130013, Colombia**  
**WEBSITE:** <http://lamitech.com.co/>

**CONTACT NAME:** Héctor Molina  
**TITLE:** Director of Technology  
**PHONE:** +5756723400  
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*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.*