

HPD UNIQUE IDENTIFIER: 29197

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

PRODUCT DESCRIPTION: FENIX, the innovative materials for interior design for a range of vertical and horizontal interior design applications: kitchens, hospitality, healthcare, transportation, bathrooms and furniture. With low light reflectivity, the FENIX surface is extremely opaque, soft touch and anti-fingerprint. Thermal healing of superficial micro-scratches is also possible.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<b>Inventory Reporting Format</b>	<b>Threshold Level</b>	<b>Residuals/Impurities Evaluation</b>	<i>For all contents above the threshold, the manufacturer has:</i>
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	<b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
<b>Threshold Disclosed Per</b>	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	<b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided :</b>	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

FENIX [ KRAFT PAPER NoGS BIO ACRYLIC RESIN LT-UNK |

PHENOL-FORMALDEHYDE RESIN LT-P1 | RES | | MUL ]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals are tested on a quarterly basis by UL Environment and achieve Greenguard Gold for Total VOC.

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)

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

Other: NSF-35

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2022-07-18
<input type="radio"/> Yes	VERIFIER:	PUBLISHED DATE: 2022-07-18
<input checked="" type="radio"/> No	VERIFICATION #:	EXPIRY DATE: 2025-07-18

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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

FENIX

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals are tested on a quarterly basis by UL Environment and achieve Green Guard Gold for Total VOC.

OTHER PRODUCT NOTES: FENIX are layers of phenolic resin saturated Kraft paper combined with layers of acrylic resins and pressed under high temperatures of 300 deg F and pressures. The monomers and polymers react to cross link into a thermoset resin system. The residuals are a very small fraction of the unreacted monomers and are less than 7.3 parts per billion under the Greenguard testing program listed in this HPD.

KRAFT PAPER				ID: Not registered
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-18 7:37:35		
%: 49.0000 - 53.0000	GreenScreen: 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	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Core Structural Layer				

BIO ACRYLIC RESIN				ID: 25777-71-3
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-18 7:37:36		
%: 28.0000 - 31.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	EC - CEPA DSL		Persistent	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Imparts protective, anti-fingerprint, low gloss, EB cured layer to FENIX product				

PHENOL-FORMALDEHYDE RESIN	ID: 9003-35-4
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HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-07-18 7:37:36</b>		
%: <b>18.0000 - 20.0000</b>	GreenScreen: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Binder</b>
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
	EC - CEPA DSL		Persistent	
MUL	EC - CEPA DSL		Inherently Toxic to Humans (iTH)	
MUL	German FEA - Substances Hazardous to Waters		Class 1 - Low Hazard to Waters	
MUL	EC - CEPA DSL		Inherently Toxic in the Environment (iTE)	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List	
RESTRICTED LIST	International Living Future Institute (ILFI)		Living Building Challenge 4.0 - Red List of Materials & Chemicals	
RESTRICTED LIST	International Living Future Institute (ILFI)		Living Building Challenge 4.0 - Red List of Materials & Chemicals	
SUBSTANCE NOTES: Used to saturate kraft paper prior to pressing and curing operation				

## 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		GreenGuard - Gold (previously Children & Schools)
CERTIFYING PARTY: Third Party	ISSUE DATE: 2004-04-30	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: Evendale Ohio and St. Jean Canada	EXPIRY DATE: 2022-10-25	Environment
CERTIFICATE URL: <a href="https://www.fenixforinteriors.com/en/sustainability">https://www.fenixforinteriors.com/en/sustainability</a>		
CERTIFICATION AND COMPLIANCE NOTES: Residuals are tested on a quarterly basis by UL Environment and achieve Greenguard Gold for Total VOC.		
SUSTAINABLE FORESTRY		FSC Certification - Chain of Custody (COC)
CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-06-04	CERTIFIER OR LAB: SCS
APPLICABLE FACILITIES: Evendale Ohio and St. Jean Canada	EXPIRY DATE: 2026-10-27	
CERTIFICATE URL: <a href="https://www.formica.com/en-us/campaigns/sustainability-fsc-certified-wood">https://www.formica.com/en-us/campaigns/sustainability-fsc-certified-wood</a>		
CERTIFICATION AND COMPLIANCE NOTES: FSC® is an independent, non-government, not-for-profit organization established to promote responsible forest management practices worldwide. It was created out of concern for the loss of the world's forests and failure to address deforestation. FSC forest management certification is awarded to forest managers who adopt practices that provide environmental, social and economic benefits. FSC Principles and Criteria provide a foundation for all forest management standards globally.		
OTHER		NSF-35
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-08-14	CERTIFIER OR LAB: NSF
APPLICABLE FACILITIES: Evendale Ohio and St. Jean Canada	EXPIRY DATE:	International
CERTIFICATE URL: <a href="https://info.nsf.org/Certified/Food/Listings.asp?Company=17720&amp;Standard=035">https://info.nsf.org/Certified/Food/Listings.asp?Company=17720&amp;Standard=035</a>		
CERTIFICATION AND COMPLIANCE NOTES: This Standard applies to high pressure decorative laminates for use as work and nonwork surfaces of food service equipment on which direct food contact during normal preparation or holding operations is not intended, expected, or reasonable.		

## 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.*

FORMICA® BRAND ADHESIVE
MANUFACTURER (OR GENERIC): CChoice Brands
HPD URL: <a href="https://www.formica.com/en-us/campaigns/adhesives">https://www.formica.com/en-us/campaigns/adhesives</a>
ACCESSORY TYPE: Adhesive
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Formica® Brand Adhesives including Contact and PVA are used to bond FENIX® to particleboard and MDF substrates.

## Section 5: General Notes

FENIX, the innovative materials for interior design for a range of vertical and horizontal interior design applications: kitchens, hospitality, healthcare, transportation, bathrooms and furniture. With low light reflectivity, the FENIX surface is extremely opaque, soft touch and anti-fingerprint. Thermal healing of superficial micro-scratches is also possible.

## MANUFACTURER INFORMATION

**MANUFACTURER:** Formica  
**ADDRESS:** 10155 Reading Rd  
 Cincinnati Ohio 45241, United States  
**WEBSITE:** <https://www.formica.com/en-us>

**CONTACT NAME:** Dave Swenson  
**TITLE:** Sales Tech Services  
**PHONE:** 513 786 3536  
**EMAIL:** [dave.swenson@formica.com](mailto:dave.swenson@formica.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-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

### 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.*