

HPD UNIQUE IDENTIFIER: 26351

CLASSIFICATION: 06 42 19 Plastic-Laminate-Faced Wood Paneling

PRODUCT DESCRIPTION: Panolam® Thermofused Laminate (TFL) panels consist of a melamine resin-impregnated decorative paper thermally fused to a substrate such as industrial-grade particleboard or medium-density fiberboard (MDF). Thermal fusion takes place under heat and pressure and permanently bonds the impregnated paper to the substrate. This process results in melamine panels with extraordinary strength and durability. Panolam® Thermofused Laminate panels are resistant to scuffs, stains, moisture, light and heat. Our ZCore product is produced on a ULEF particleboard substrate

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

☐ Other

Residuals/Impurities

☒ Considered

☐ Partially Considered

☐ Not Considered

Explanation(s) provided for Residuals/Impurities?

☒ Yes

☐ No

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

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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 TFL [WOOD FIBER - UNSPECIFIED NoGS MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK CELLULOSE, MICROCRYSTALLINE LT-UNK | RES MELAMINE FORMALDEHYDE LT-UNK UREA FORMALDEHYDE LT-P1 | RES TITANIUM DIOXIDE LT-1 | CAN | END AMMONIUM NITRATE LT-P1 | END AMMONIUM SULFATE LT-P1 | END PHENOL-FORMALDEHYDE RESIN LT-P1 | RES]

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:
Emissions based on CARB compliance testing.

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: CARB Composite Wood ATCM CA 93120 Phase 2
Formaldehyde content: CARB Composite Wood ATCM CA 93120 Phase 2
Composite Wood: ECC Eco-Certified Composite
Sustainable forestry: FSC Certification - Chain of Custody (COC)

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: 2021-10-14

PUBLISHED DATE: 2021-10-27

EXPIRY DATE: 2024-10-14

%: 0.0000 - 5.0000		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: Resin is polymerized in final product					

UREA FORMALDEHYDE

ID: 9011-05-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-14 11:44:49		
%: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
SUBSTANCE NOTES: Resin is polymerized in final product				

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-14 11:44:50			
%: 0.0000 - 0.1000		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
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		
CAN	EU - GHS (H-Statements)		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
SUBSTANCE NOTES: Pigment used in paper and laminate resin					

AMMONIUM NITRATE

ID: 6484-52-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-14 11:44:50		
%: 0.0000 - 1.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
SUBSTANCE NOTES: Resin catalyst for board				

AMMONIUM SULFATE					ID: 7783-20-2
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-14 11:44:51		
%: 0.0000 - 1.0000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SUBSTANCE NOTES: Board resin catalyst					

PHENOL-FORMALDEHYDE RESIN					ID: 9003-35-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-27 10:23:10		
%: 0.0000 - 15.0000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES: Used only in the ZCore TFL Products					

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		CARB Composite Wood ATCM CA 93120 Phase 2	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2011-01-	EXPIRY DATE:	CERTIFIER OR LAB: Composite
APPLICABLE FACILITIES: Panolam Huntsville Ontario	01		Panel Association
Facility			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			
FORMALDEHYDE CONTENT		CARB Composite Wood ATCM CA 93120 Phase 2	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2011-01-	EXPIRY DATE:	CERTIFIER OR LAB: Composite
APPLICABLE FACILITIES: Panolam Huntsville Ontario	01		Panel Association
Facility			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			
COMPOSITE WOOD		ECC Eco-Certified Composite	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2012-03-	EXPIRY DATE:	CERTIFIER OR LAB: Composite
APPLICABLE FACILITIES: Panolam Huntsville Ontario	12		Panel Association
Facility			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			
SUSTAINABLE FORESTRY		FSC Certification - Chain of Custody (COC)	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2009-04-	EXPIRY DATE:	CERTIFIER OR LAB: Rainforest
APPLICABLE FACILITIES: Panolam Huntsville Ontario	28		Alliance/NEPCON
Facility			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: FSC product is available upon request			
FORMALDEHYDE EMISSIONS		CARB Composite Wood ATCM CA 93120 Ultra Low-Emitting Formaldehyde (ULEF)	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2010-08-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: Composite
APPLICABLE FACILITIES: Panolam Industries Ltd.-	04	11-02	Panel Association (TPC-1)
Huntsville ON Canada			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

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

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

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

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

GreenScreen (GS)

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

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.