

ARAUCO NA Medium Density Fiberboard (MDF) by Arauco North America

Health Product Declaration v2.1

CLASSIFICATION: 06 00 00 Wood, Plastics, and Composites

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Trupan Standard MDF is a versatile product that will fit most general industrial uses including cabinets, fixtures and furniture components. An advanced refining process ensures a homogenous panel that is ideal for deep detailed profiling and finishing with exceptional performance results per the American National Standard for Medium Density Fiberboard (ANSI 208.2-2016).

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
- Explanation(s) provided for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

- Characterized**
Percent Weight and Role Provided? Yes No
- Screened**
Using Priority Hazard Lists with Results Disclosed? Yes No
- Identified**
Name and Identifier Provided? Yes No

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

ARAUCO NA MEDIUM DENSITY FIBERBOARD (MDF) [CELLULOSE, MICROCRYSTALLINE NoGS UNDISCLOSED CHEMICAL #1 BM-4 UNDISCLOSED CHEMICAL #2 LT-1 | CAN | MUL UREA LT-UNK UNDISCLOSED CHEMICAL #3 NoGS UNDISCLOSED CHEMICAL #4 LT-P1 | MAM | SKI | RES | END MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK UREA FORMALDEHYDE LT-P1 | RES AMMONIUM SULFATE LT-P1 | END AMMONIUM CHLORIDE LT-P1 | MAM | EYE | END]

Number of Greenscreen BM-4/BM3 contents..... 1
Contents highest concern GreenScreen
Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This HPD includes the following substrates: Trupan Standard MDF, Trupan High Density MDF, Trupan Lite MDF, Trupan Plus MDF, Trupan Custom, Fibrex Standard, Fibrex Plus. Ingredient names undisclosed on HPD are considered proprietary.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

Formaldehyde emissions: Formaldehyde Emissions Grademark Certification Program - Eugene, OR
Formaldehyde emissions: Formaldehyde Emissions Grademark Certification Program - Malvern, AR
Formaldehyde emissions: Formaldehyde Emissions Grademark Certification Program - Bennettsville, SC (MDF)
Formaldehyde emissions: Formaldehyde Emissions Grademark Certification Program - Moncure, NC (MDF)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-3353

SCREENING DATE: 2017-08-18
PUBLISHED DATE: 2018-01-29
EXPIRY DATE: 2020-08-18

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

ARAUCO NA MEDIUM DENSITY FIBERBOARD (MDF)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: ARAUCO NA worked with an HPD Third Party Preparer to confirm that all residual and impurities have been considered during the preparation of this HPD.

OTHER PRODUCT NOTES:

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

#: 76.0000 - 93.0000 GS: NoGS RC: None NANO: No ROLE: Structural Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED CHEMICAL #1

ID: Undisclosed

#: 0.1250 - 1.2000 GS: BM-4 RC: None NANO: No ROLE: Water Repellent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by Arauco's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD. The GreenScreen Benchmark® assessment score of BM-4 was provided through the HPD 2.1 Builder Tool.

UNDISCLOSED CHEMICAL #2

ID: Undisclosed

#: 0.1000 - 1.0000 GS: LT-1 RC: None NANO: No ROLE: Water Repellent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R45 - May cause cancer

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

RESTRICTED LIST	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: This chemical has been identified and screened by Arauco's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UREA

ID: 57-13-6

#: 0.0900 - 4.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Scavenger**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED CHEMICAL #3

ID: **Undisclosed**

#: 0.0013 - 0.1000 GS: **NoGS** RC: **None** NANO: **No** ROLE: **Water Repellent**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by Arauco's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #4

ID: **Undisclosed**

#: 0.0005 - 0.0300 GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Water Repellent**

HAZARDS: AGENCY(IES) WITH WARNINGS:

MAMMALIAN EU - R-phrases R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN EU - R-phrases R21 - Harmful in Contact with Skin

MAMMALIAN EU - R-phrases R22 - Harmful if Swallowed

SKIN IRRITATION EU - R-phrases R34 - Causes burns

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

SKIN IRRITATION EU - GHS (H-Statements) H314 - Causes severe skin burns and eye damage

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SKIN SENSITIZE MAK Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: This chemical has been identified and screened by Arauco's HPD Third Party Preparer. Due to its propriety nature, this chemical

MELAMINE-UREA-FORMALDEHYDE (MUF)

ID: 25036-13-9

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists
SUBSTANCE NOTES:	

UREA FORMALDEHYDE

ID: 9011-05-6

GS: LT-P1	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
RESPIRATORY	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced	
SUBSTANCE NOTES:			

AMMONIUM SULFATE

ID: 7783-20-2

GS: LT-P1	RC: None	NANO: No	ROLE: Catalyst
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor	
SUBSTANCE NOTES:			

AMMONIUM CHLORIDE

ID: 12125-02-9

GS: LT-P1	RC: None	NANO: No	ROLE: Catalyst
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed	
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes	
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor	
SUBSTANCE NOTES:			

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.

FORMALDEHYDE EMISSIONS	Formaldehyde Emissions Grademark Certification Program - Eugene, OR		
CERTIFYING PARTY: Third Party	ISSUE DATE:2016-06-07	EXPIRY DATE:	CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America- Eugene, Oregon			
CERTIFICATE URL: https://www.arauco.cl/na/sostenibilidad/certificaciones/			
CERTIFICATION AND COMPLIANCE NOTES: Has Fulfilled The Requirements of: California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 SCOPE OF CERTIFICATION: Medium Density Fiberboard (MD2 and MD4) (CARB Phase 2 – 0.11 ppm)			

FORMALDEHYDE EMISSIONS	Formaldehyde Emissions Grademark Certification Program - Malvern, AR		
CERTIFYING PARTY: Third Party	ISSUE DATE:2016-06-07	EXPIRY DATE:	CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America - Malvern, Arkansas			
CERTIFICATE URL: https://www.arauco.cl/na/sostenibilidad/certificaciones/			
CERTIFICATION AND COMPLIANCE NOTES: Has Fulfilled The Requirements of: California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 SCOPE OF CERTIFICATION: Medium Density Fiberboard (M5T and MDT) (CARB Phase 2 – 0.11 ppm)			

FORMALDEHYDE EMISSIONS	Formaldehyde Emissions Grademark Certification Program - Bennettsville, SC (MDF)		
CERTIFYING PARTY: Third Party	ISSUE DATE:2016-05-26	EXPIRY DATE:	CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America - Bennettsville, South Carolina (MDF)			
CERTIFICATE URL: https://www.arauco.cl/na/sostenibilidad/certificaciones/			
CERTIFICATION AND COMPLIANCE NOTES: Has Fulfilled The Requirements of: California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 SCOPE OF CERTIFICATION: Medium Density Fiberboard (M4T, M5T and MDT) (CARB Phase 2 – 0.11 ppm)			

FORMALDEHYDE EMISSIONS	Formaldehyde Emissions Grademark Certification Program - Moncure, NC (MDF)		
CERTIFYING PARTY: Third Party	ISSUE DATE:2016-05-25	EXPIRY DATE:	CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America - Moncure, North Carolina (MDF)			
CERTIFICATE URL: https://www.arauco.cl/na/sostenibilidad/certificaciones/			
CERTIFICATION AND COMPLIANCE NOTES: Has Fulfilled The Requirements of: California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 SCOPE OF CERTIFICATION: Medium Density Fiberboard (LD1, MD2 and MDT)			

FORMALDEHYDE EMISSIONS

Formaldehyde Emissions Grademark Certification Program - Sault Ste. Marie, ON

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: ARAUCO North America - Sault Ste. Marie, Ontario
ISSUE DATE:2016-06-09
EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Fulfilled The Requirements of: California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 SCOPE OF CERTIFICATION: Medium Density Fiberboard (M24, M25 and M2F) (CARB Phase 2 – 0.11 ppm)

FORMALDEHYDE EMISSIONS

Formaldehyde Emissions Grademark Certification Program - St. Stephen, NB (MDF)

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: ARAUCO North America - St. Stephen, New Brunswick (MDF)
ISSUE DATE:2016-06-09
EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Fulfilled The Requirements of: California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 SCOPE OF CERTIFICATION: Thin Medium Density Fiberboard (MD2 and MD3) (CARB Phase 2 – 0.13 ppm)

COMPOSITE WOOD

ECC - Eco-certified Composite Grademark Program - Eugene, OR

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: ARAUCO North America - Eugene, Oregon
ISSUE DATE:2016-06-07
EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Completed and Fulfilled the Requirements of: CPA 4-11 Eco-Certified Composites (ECC) Sustainability Standard and California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120 SCOPE OF CERTIFICATION: MDF. Eco-attributes: Carbon Footprint; Locally Sourced Fiber; Recycled, Recovered or Post-Consumer Fiber Content.

COMPOSITE WOOD

ECC - Eco-certified Composite Grademark Program - Malvern, AR

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: ARAUCO North America - Malvern, Arkansas
ISSUE DATE:2016-05-08
EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Completed and Fulfilled the Requirements of: CPA 4-11 Eco-Certified Composites (ECC) Sustainability Standard and California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120 SCOPE OF CERTIFICATION: MDF. Eco-attributes: Carbon Footprint; Locally Sourced Fiber; Recycled, Recovered or Post-Consumer Fiber Content,Responsible Wood Sourcing.

COMPOSITE WOOD

ECC - Eco-certified Composite Grademark Program - Bennettsville, SC (MDF)

CERTIFYING PARTY: Third Party
ISSUE DATE: 2016-05-18 EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America -
Bennettsville, South Carolina (MDF)
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Completed and Fulfilled the Requirements of: CPA 4-11 Eco-Certified Composites (ECC) Sustainability Standard and California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120. SCOPE OF CERTIFICATION: MDF. ECO-ATTRIBUTES: Carbon Footprint; Locally Sourced Fiber; Recycled, Recovered or Post-Consumer Fiber Content, Responsible Wood Sourcing.

COMPOSITE WOOD **ECC - Eco-certified Composite Grademark Program - Moncure, NC (MDF)**

CERTIFYING PARTY: Third Party
ISSUE DATE: 2016-05-18 EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America -
Moncure, North Carolina (MDF)
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Completed and Fulfilled the Requirements of: CPA 4-11 Eco-Certified Composites (ECC) Sustainability Standard and California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120. SCOPE OF CERTIFICATION: MDF, Thin MDF. ECO-ATTRIBUTES: Carbon Footprint; Locally Sourced Fiber; Recycled, Recovered or Post-Consumer Fiber Content, Sustainable Use of Wood Fiber, Responsible Wood Sourcing.

COMPOSITE WOOD **ECC - Eco-certified Composite Grademark Program - Sault Ste. Marie, ON**

CERTIFYING PARTY: Third Party
ISSUE DATE: 2016-05-19 EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America - Sault
Ste. Marie, Ontario
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Completed and Fulfilled the Requirements of: CPA 4-11 Eco-Certified Composites (ECC) Sustainability Standard and California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120. SCOPE OF CERTIFICATION: MDF. ECO-ATTRIBUTES: Carbon Footprint; Recycled, Recovered or Post-Consumer Fiber Content; Responsible Wood Sourcing.

COMPOSITE WOOD **ECC - Eco-certified Composite Grademark Program - St. Stephen, NB (MDF)**

CERTIFYING PARTY: Third Party
ISSUE DATE: 2016-05-19 EXPIRY DATE:
CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: ARAUCO North America - St.
Stephen, New Brunswick (MDF)
CERTIFICATE URL:
<https://www.arauco.cl/na/sostenibilidad/certificaciones/>

CERTIFICATION AND COMPLIANCE NOTES: Has Completed and Fulfilled the Requirements of: CPA 4-11 Eco-Certified Composites (ECC) Sustainability Standard and California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120. SCOPE OF CERTIFICATION: Thin MDF. ECO-ATTRIBUTES: Locally Sourced Fiber; Recycled, Recovered or Post-Consumer Fiber Content; Responsible Wood Sourcing.

MANAGEMENT **ISO 14001 – Environmental Management System and OHSAS 18001 – Safety Management System**

CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-12-21	EXPIRY DATE: 2020-12-20	CERTIFIER OR LAB: Lloyd's Register Quality Assurance
APPLICABLE FACILITIES: Bennettsville, SC; Fort Mill, SC; Eugene, OR; Albany, OR; Malvern, AR; Sault Ste. Marie, ON; St. Stephen, NB; Moncure, NC, Biscoe, NC CERTIFICATE URL: https://www.arauco.cl/na/sostenibilidad/certificaciones/			
CERTIFICATION AND COMPLIANCE NOTES: Lloyd's Register Quality Assurance approved the above facilities to the ISO 14001:2004 and OHSAS 18001:2007 Management Systems. These Management Systems are applicable to the manufacturer of a diverse line of composite panel products.			

OTHER **Forest Stewardship Council® - FSC Chain of Custody and Controlled Wood**

CERTIFYING PARTY: Third Party	ISSUE DATE: 2013-09-23	EXPIRY DATE: 2018-09-22	CERTIFIER OR LAB: Rainforest Alliance
APPLICABLE FACILITIES: As a multi-site certificate, the activities and products included in the scope of this certificate are performed by a network of participating sites (all ARAUCO NA manufacturing facilities). Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents and must be stated on the customer PO in order to receive as such. CERTIFICATE URL: https://www.arauco.cl/na/sostenibilidad/certificaciones/			
CERTIFICATION AND COMPLIANCE NOTES: Certificate Type: Multi-site Chain of Custody and Controlled Wood; Standard(s): FSC-STD-40-003 V1-0; FSC-STD-40-004 V2-1; FSC-STD-40-005 V2-1; Product group(s): MDF, MDF with laminate; Particleboard, particleboard with laminate; Valid from 23 September 2013 to 22 September 2018; Certificate Registration Code: RA-COC-000444, RA-CW-000444; FSC License Code: FSC-C019364; Certificate Issue Number: IN-2015-1			

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

Ingredient percentages are expressed in terms of dry weight basis and represent average production values across multiple mills. Safety Data Sheets (SDS) in GHS format can be found at www.arauco.cl/na/. ToxServices LLC considered all residuals and impurities identified for the ingredients of this product. Models covered under HPD: Trupan Standard MDF, Trupan High Density MDF, Trupan Lite MDF, Trupan Plus MDF, Trupan Custom, Fibrex Standard, Fibrex Plus Variations within group: These products are offered in a variety of thickness and panel sizes. Variations in dosing percentages for wood, resin and other additives are inherent due to process variation from mill to mill and optimization of recipes to achieve targeted

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Arauco North America**
ADDRESS: **400 Perimeter Center Terrace, Suite 750**
Atlanta GA 30346, USA
WEBSITE: **https://www.arauco.cl/na/**

CONTACT NAME: **Kerry Little**
TITLE: **Corporate Sustainability Manager**
PHONE: **506-465-2975**
EMAIL: **kerry.little@arauco-na.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

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

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.