

CLASSIFICATION: 06 00 00 Wood, Plastics, and Composites

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Trupan Fire-rated panels are manufactured on our Trupan Plus platform using a chemical system to achieve a fire-rated Class A/Class 1 panel that is classified by Underwriter Laboratories for surface burning characteristics. Trupan FR MDF is ideal for commercial and institutional projects when required by fire safety codes and specifications. Trupan Moisture Resistant (MR) is an interior, moisture resistant MDF panel that is ideally suited for kitchen, bath and laboratory cabinets, and applications with high humidity and incidental moisture content. This panel meets or exceeds the requirements for ANSI MR10. Products are available raw or TFL finished with your choice of design from the PRISM collection. Fibrex Cross Band Fire-Rated panels are certified when used in conjunction with a Georgia Pacific mineral core. These panels are suitable for use as a cross band with wood veneer faces in 20 to 90 minute neutral and positive pressure fire-rated doors (single swing and pairs (standard and double egress)) and complies with UBC 7-2-1994, UBC 7-2-1997, CAN4 S104, NFPA 252, UL10B and UL10C standards. Note: 45 to 90 minute applications are limited to GP Gypsum door designs.

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 Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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 MDF - FR, MR, VESTA FR [CELLULOSE, MICROCRYSTALLINE
NoGS MELAMINE-UREA-FORMALDEHYDE (MUF) (MELAMINE-UREA-FORMALDEHYDE (MUF)) LT-UNK UNDISCLOSED CHEMICAL #1 NoGS
SLACK WAX (PETROLEUM) LT-1 | CAN | MUL UREA LT-UNK]

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:

This HPD includes the following substrates: Trupan FR, Trupan Vesta FR, Trupan MR, Trupan Vesta MR, Fibrex Vesta ULEF, Fibrex FR, Fibrex Vesta FR ULEF. 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: CARB ULEF Executive Order N-17-145 Vesta - Bennettsville, SC (MDF)
Formaldehyde emissions: CARB ULEF Executive Order N-16-126 Vesta - St. Stephen, NB (MDF)
Formaldehyde emissions: CARB ULEF Executive Order N-16-167 Vesta - Eugene, OR
Formaldehyde emissions: CARB ULEF Executive Order N-17-140 - Vesta - Malvern, AR

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-3360

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 MDF - FR, MR, VESTA FR

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

#: 73.0000 - 80.0000 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:

MELAMINE-UREA-FORMALDEHYDE (MUF) (MELAMINE-UREA-FORMALDEHYDE (MUF))

ID: 25036-13-9

#: 13.0000 - 18.0000 GS: LT-UNK RC: None NANO: No ROLE: Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED CHEMICAL #1

ID: Undisclosed

#: 6.0000 - 9.0000 GS: NoGS RC: None NANO: No ROLE: FR Component

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.

SLACK WAX (PETROLEUM)

ID: 64742-61-6

%: 0.5000 - 1.1000	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		
MULTIPLE	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:				

UREA ID: 57-13-6

%: 0.0900 - 2.7000	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:				

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.

<p>FORMALDEHYDE EMISSIONS</p> <p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: ARAUCO North America - Bennettsville, South Carolina (MDF)</p> <p>CERTIFICATE URL: https://www.arb.ca.gov/toxics/compwood/naf_ulef/n145.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES:</p>	<p>CARB ULEF Executive Order N-17-145 Vesta - Bennettsville, SC (MDF)</p> <p>ISSUE DATE: 2017-05-23</p> <p>EXPIRY DATE: 2019-05-23</p> <p>CERTIFIER OR LAB: California Air Resources Board</p>
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<p>FORMALDEHYDE EMISSIONS</p>	<p>CARB ULEF Executive Order N-16-126 Vesta - St. Stephen, NB (MDF)</p>
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CERTIFYING PARTY: Third Party ISSUE DATE: 2016-07-15 EXPIRY DATE: 2018-07-15 CERTIFIER OR LAB: California Air Resources Board

APPLICABLE FACILITIES:
CERTIFICATE URL:
https://www.arb.ca.gov/toxics/compwood/naf_ulef/n126.pdf

CERTIFICATION AND COMPLIANCE NOTES:

FORMALDEHYDE EMISSIONS **CARB ULEF Executive Order N-16-167 Vesta - Eugene, OR**

CERTIFYING PARTY: Third Party ISSUE DATE: 0002-09-16 EXPIRY DATE: 0002-09-18 CERTIFIER OR LAB: California Air Resources Board

APPLICABLE FACILITIES: ARAUCO North America - Eugene, Oregon
CERTIFICATE URL:
https://www.arb.ca.gov/toxics/compwood/naf_ulef/listofnaf_ulef.htm

CERTIFICATION AND COMPLIANCE NOTES:

FORMALDEHYDE EMISSIONS **CARB ULEF Executive Order N-17-140 - Vesta - Malvern, AR**

CERTIFYING PARTY: Third Party ISSUE DATE: 2017-04-12 EXPIRY DATE: 2019-04-12 CERTIFIER OR LAB: California Air Resources Board

APPLICABLE FACILITIES: ARAUCO North America - Malvern, Arkansas
CERTIFICATE URL:
https://www.arb.ca.gov/toxics/compwood/naf_ulef/n140.pdf

CERTIFICATION AND COMPLIANCE NOTES:

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 - St. Stephen, NB (MDF)**

CERTIFYING PARTY: Third Party ISSUE DATE: 2016-06-09 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 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)

FORMALDEHYDE EMISSIONS **Formaldehyde Emissions Grademark Certification Program - Eugene, OR**

CERTIFYING PARTY: Third Party ISSUE DATE: 2016-06- EXPIRY DATE: CERTIFIER OR LAB: Composite

ARAUCO NA MDF - FR, MR, Vesta FR
hpdrepository.hpd-collaborative.org

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-

EXPIRY DATE:

CERTIFIER OR LAB: Composite

APPLICABLE FACILITIES: ARAUCO North America - Malvern, Arkansas

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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 (M5T and MDT) (CARB Phase 2 – 0.11 ppm)

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

CERTIFYING PARTY: Third Party

ISSUE DATE:2016-05-

EXPIRY DATE:

CERTIFIER OR LAB: Composite

APPLICABLE FACILITIES: ARAUCO North America - Bennettsville, South Carolina (MDF)

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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 - St. Stephen, NB (MDF)**

CERTIFYING PARTY: Third Party

ISSUE DATE:2016-05-

EXPIRY DATE:

CERTIFIER OR LAB: Composite

APPLICABLE FACILITIES: ARAUCO North America - St. Stephen, New Brunswick (MDF)

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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: Thin MDF. ECO-ATTRIBUTES: Locally Sourced Fiber; Recycled, Recovered or Post-Consumer Fiber Content; Responsible Wood Sourcing.

COMPOSITE WOOD**ECC - Eco-certified Composite Grademark Program - Eugene, OR**

CERTIFYING PARTY: Third Party

ISSUE DATE:2016-06-

EXPIRY DATE:

CERTIFIER OR LAB: Composite

APPLICABLE FACILITIES: ARAUCO North America - Eugene, Oregon

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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.

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

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Bennettsville, SC; Fort Mill, SC; Eugene, OR; Albany, OR; Malvern, AR; Sault Ste. Marie, ON; St. Stephen, NB; Moncure, NC, Biscoe, NC
ISSUE DATE: 2017-12-21
EXPIRY DATE: 2020-12-20
CERTIFIER OR LAB: Lloyd's Register Quality Assurance
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
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.
ISSUE DATE: 2013-09-23
EXPIRY DATE: 2018-09-22
CERTIFIER OR LAB: Rainforest Alliance
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/. CARB EO certs apply to Vesta products only. ToxServices LLC considered all residuals and impurities identified for the ingredients of this product. Models covered under HPD: Includes Trupan FR, Trupan Vesta FR, Trupan MR, Trupan Vesta MR, Fibrex Vesta ULEF, Fibrex FR, Fibrex Vesta FR ULEF Variations within group: These products are offered in a variety of thickness and panel sizes. Variations within this group include dosing percentages for wood, resin and other additives, due to process variation from mill to mill and optimization of recipes for targeted panel properties. Vesta panels are certified to CARB ULEF; all others are certified to CARB Phase 2 emissions requirements.

👁️ 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)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

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

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.