

CLASSIFICATION: 08 14 00 - Wood Doors

PRODUCT DESCRIPTION: Architectural Wood Doors - Heritage Collection

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities
Considered in 8 of 8 Materials

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

CORE [CELLULOSE PULP NoGS UREA EXTENDED PHENOL-MELAMINE FORMALDEHYDE RESIN LT-UNK] CROSSBAND [CELLULOSE PULP NoGS UREA EXTENDED PHENOL-MELAMINE FORMALDEHYDE RESIN LT-UNK PARAFFIN LT-UNK AMMONIA LT-P1 | RES | AQU | SKI | MAM | END | MUL FORMALDEHYDE LT-1 | RES | CAN | MAM | SKI | GEN | MUL | END] S & R [POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PARAFFIN LT-UNK ASPEN NoGS] FACE VENEER [CELLULOSE PULP NoGS] PVA [POLYVINYL ACETATE (PVA) LT-UNK] ARCHITECTURAL COATINGS [BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | AQU | SKI | EYE | MUL] HOTMELT ADHESIVE [POLYMERS (PETROLIUM) VISCUS LT-UNK PARAFFIN WAXES (PETROLEUM), LOW-MELTING NoGS] EDGING [CELLULOSE PULP NoGS]

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:

1. Residuals were considered for all materials that involved a chemical reaction at the time of mnaufacture of this door and reported when above the reporting threshold. 2. Based on mass balance calculations, residuals and substances are not reported when under the HPD report limit of 1000 ppm. 3. Residuals are considered not to occur when the manufacturing process involved only a change in a material's shape and did not involve a chemical reaction. 4. The architectural coating mix selected for this HPD represents the worst case scenario for potential health risks from any of our coating combinations.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: UL/GreenGuard Gold Certified
Sustainable forestry: FSC Certification - Chain of Custody (COC)
LCA: Environmental Product Declaration (EPD) by NSF

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-08-28

PUBLISHED DATE: 2018-09-04

EXPIRY DATE: 2021-08-28



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

CORE

#: 69.5600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: See inventory and screening notes in Section 1.

OTHER MATERIAL NOTES: 1. Percent is based on mass balance of all materials present. 2. Core is the central filler material that shapes the door.

CELLULOSE PULP

ID: 65996-61-4

#: 87.5000

GS: NoGS

RC: UNK

NANO: No

ROLE: Forms the particleboard.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

UREA EXTENDED PHENOL-MELAMINE FORMALDEHYDE RESIN

ID: 25212-25-3

#: 12.5000 - 12.5000

GS: LT-UNK

RC: None

NANO: No

ROLE: Serves as a binder.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

CROSSBAND

#: 19.0700

HPD URL:

MATERIAL THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: See inventory and screening notes in Section 1.

OTHER MATERIAL NOTES: 1. Percent is based on mass balance of all materials present. 2. The crossband works as a gusset between the stiles & rails of the core while functioning as a backer to the veneer face.

CELLULOSE PULP

ID: 65996-61-4

#: **89.5000**

GS: **NoGS**

RC: **UNK**

NANO: **No**

ROLE: **Forms the crossband sheet.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material.**

UREA EXTENDED PHENOL-MELAMINE FORMALDEHYDE RESIN

ID: **25212-25-3**

#: **8.4000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material.**

PARAFFIN

ID: **8002-74-2**

#: **1.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Provides water resistance.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material.**

AMMONIA

ID: **7664-41-7**

#: **1.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Used to lower formaldehyde emissions.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rr) - irritant-induced

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material.**

FORMALDEHYDE

ID: **50-00-0**

%: **Impurity/Residual**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

S & R

%: **6.8700**

HPD URL:

RESIDUALS AND IMPURITIES NOTES: **See inventory and screening notes in Section 1.**

OTHER MATERIAL NOTES: **1. Percent is based on mass balance of all materials present. 2. The Stiles & Rails (S&R) surround the inner core providing screw holding capability and functions as a backer for the edge material.**

POLYMERIC MDI (PMDI)

ID: **9016-87-9**

%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material. 2. PMDI is reacted when the supplier creates the structural composite lumber. It is consumed in the creation of the material and is not anticipated to be present in the materials as received from the supplier and used to make this door. It is voluntarily reported here in an effort to comply with full disclosure.**

PARAFFIN

ID: **8002-74-2**

%: **1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Provides added water resistance.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material.**

ASPEN

ID: **Not registered**

%: **0.9400** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Forms the S&R**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: **1. Percentage is based on mass balance of all materials.**

FACE VENEER

%: **2.1100**

HPD URL:

RESIDUALS AND IMPURITIES NOTES: See inventory and screening notes in Section 1.

OTHER MATERIAL NOTES: 1. Percent is based on mass balance of all materials present. 2. The face veneer is the decorative surface of the push and pull faces of the door.

CELLULOSE PULP

ID: 65996-61-4

#: 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Forms the veneer.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

PVA

#: 1.6300

HPD URL:

MATERIAL THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: See inventory and screening notes in Section 1.

OTHER MATERIAL NOTES: 1. Percent is based on mass balance of all materials present. 2. The Polyvinyl Acetate (PVA) adhesive bonds the crossband to core and veneer to crossband.

POLYVINYL ACETATE (PVA)

ID: 9003-20-7

#: 100.0000 GS: LT-UNK RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances present in this material. 2. Manufacturer states on SDS that no hazardous chemicals are in the PVA.

ARCHITECTURAL COATINGS

#: 0.5100

HPD URL:

MATERIAL THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: See inventory and screening notes in Section 1.

OTHER MATERIAL NOTES: 1. Percent is based on mass balance of all materials present. 2. The architectural coating is the finish consisting of stain and top sealer coats.

BISPHENOL A-EPICHLOROHYDRIN ACRYLATE

ID: 55818-57-0

#: 37.0700 GS: LT-UNK RC: None NANO: No ROLE: Ingredient used in the sealer formulation.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

#: 21.3300 GS: LT-P1 RC: None NANO: No ROLE: Ingredient in the sealer mix.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC EU - GHS (H-Statements) H411 - Toxic to aquatic life with long lasting effects

SKIN IRRITATION EU - GHS (H-Statements) H315 - Causes skin irritation

EYE IRRITATION EU - GHS (H-Statements) H319 - Causes serious eye irritation

MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SKIN SENSITIZE MAK Sensitizing Substance Sh - Danger of skin sensitization

SKIN SENSITIZE EU - GHS (H-Statements) H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material. 2. This substance is part of a cured formulation and is not expected to present an exposure in the final product.

HOTMELT ADHESIVE

#: 0.1400

HPD URL:

MATERIAL THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: See inventory and screening notes in Section 1.

OTHER MATERIAL NOTES: 1. Percent is based on mass balance of all materials present. 2. The hotmelt adhesive is applied to bind the S&R material to the core.

POLYMERS (PETROLIUM) VISCUS

ID: 64741-71-5

#: 75.0000 GS: LT-UNK RC: None NANO: No ROLE: binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

PARAFFIN WAXES (PETROLEUM), LOW-MELTING

ID: 92045-74-4

#: 25.0000 GS: NoGS RC: None NANO: No ROLE: Water resistance.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1. Percent is based on mass balance of all substances in this material.

EDGING

%: 0.1100

HPD URL:

MATERIAL THRESHOLD: **Other**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **See inventory and screening notes in Section 1.**

OTHER MATERIAL NOTES: **1. Percent is based on mass balance of all materials present. 2. The edging is veneer applied to the hinge and lock edges of the door.**

CELLULOSE PULP

ID: **65996-61-4**

%: 100.0000

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Edge veneer.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **1. Percent is based on mass balance of all substances in this material.**

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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2007-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **Holstein Facility**

06-12

12-21

Environment

CERTIFICATE URL:

http://www.vtindustries.com/webres/File/architectural-doors/Sustainability/GG_Gold_HPDL_1218.pdf

CERTIFICATION AND COMPLIANCE NOTES:

SUSTAINABLE FORESTRY

FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: **Third Party**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB:

APPLICABLE FACILITIES: **Holstein Facility**

2002-07-01

2022-06-25

Scientific Certification Systems

CERTIFICATE URL:

<http://www.vtindustries.com/webres/File/fsc%20certificate.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Environmental Product Declaration (EPD) by NSF

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **NSF**

APPLICABLE FACILITIES: **Holstein Facility**

07-03

07-03

International

CERTIFICATE URL:

http://www.vtindustries.com/webres/File/architectural-doors/Sustainability/VT_AWD_EPД_0815_2.pdf

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

1. Residuals were considered for all materials that involved a chemical reaction at the time of manufacture of this door and reported when above the reporting threshold. 2. Based on mass balance calculations, residuals and substances are not reported when under the HPD report limit of 1000 ppm. 3. Residuals are considered not to occur when the manufacturing process involved only a change in a material's shape and did not involve a chemical reaction. 4. The architectural coating mix selected for this HPD represents the worst case scenario for potential health risks from any of our coating combinations.



MANUFACTURER INFORMATION

MANUFACTURER: **VT Industries Inc.**
ADDRESS: **1000 Industrial Park**
PO Box 490
Holstein IA 51025-0490, United States
WEBSITE: **www.vtindustries.com**

CONTACT NAME: **Eric Hanson**
TITLE: **Technical Services Manager**
PHONE: **800.827.1615**
EMAIL: **eqhanson@vtindustries.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

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.