

CLASSIFICATION: 08 14 00

PRODUCT DESCRIPTION: This HPD covers Panel over Louver and Louver over Panel doors by PBI Doors. The analyzed representative door has the following dimensions: 30" x 80" x 1-3/8" (width x height x thickness).

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 7 of 7 Materials

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 except SC substances characterized according to SC guidance.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

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

WOODEN PARTS #1 | SC:PINE Not Screened SC:WOOD Not Screened
UNDISCLOSED LT-UNK MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK
UNDISCLOSED BM-4 UNDISCLOSED LT-UNK UNDISCLOSED BM-4
UNDISCLOSED LT-UNK UREA LT-UNK UNDISCLOSED LT-UNK
UNDISCLOSED LT-UNK UNDISCLOSED BM-4 UNDISCLOSED NoGS
UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | RES | SKI UNDISCLOSED
LT-P1 | RES | SKI UNDISCLOSED LT-UNK | CAN SLACK WAX
(PETROLEUM) LT-1 | CAN | MUL UNDISCLOSED LT-UNK UNDISCLOSED
LT-UNK UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED BM-1 | DEL | PHY
| MAM | END | MUL | REP UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK |
PHY | EYE UNDISCLOSED LT-P1 | AQU | SKI | EYE | END | MUL
UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED LT-P1 | END | MUL | SKI
UNDISCLOSED LT-P1 | CAN | PHY | END | MUL | MAM | GEN UNDISCLOSED
BM-2 | AQU | MAM | SKI | EYE | END | MUL UNDISCLOSED LT-P1 | AQU | SKI
| EYE | MUL UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-P1 | AQU |
MAM | SKI | EYE | MUL UNDISCLOSED LT-UNK | RES | MUL | CAN
UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED LT-UNK | WOODEN
PARTS #2 | SC:PINE Not Screened SC:WOOD Not Screened UNDISCLOSED
BM-4 UNDISCLOSED LT-UNK UREA LT-UNK UNDISCLOSED LT-UNK
UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 |
RES | SKI MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK UREA
FORMALDEHYDE LT-P1 | RES SLACK WAX (PETROLEUM) LT-1 | CAN |
MUL AMMONIUM ION SOLUTION FOR ISE, 0.1 M NH4+, ANALYTICAL
STANDARD (FOR ION-SELECTIVE ELECTRODES) LT-P1 | EYE | END |
SLATS | SC:WOOD Not Screened UREA LT-UNK SLACK WAX
(PETROLEUM) LT-1 | CAN | MUL MELAMINE-UREA-FORMALDEHYDE
(MUF) LT-UNK UNDISCLOSED BM-4 UNDISCLOSED LT-1 | RES | CAN |

Number of Greenscreen BM-4/BM3 contents ... 7

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

Panel over Louver and Louver over Panel doors have been screened at 1,000 ppm so that all intentional materials and known potential residuals and impurities present above that threshold have been reported. Several substances are protected by NDAs between the preparer and suppliers. The product contains special condition materials, biological materials, which have been reported accordingly.

MAM | SKI | GEN | MUL | END UREA FORMALDEHYDE LT-P1 | RES
NITROGEN NoGS BIURET (PRIMARY CASRN IS 108-19-0) LT-UNK UREA,
N,N''-METHYLENEBIS- NoGS WATER BM-4 AMMONIUM ION SOLUTION
FOR ISE, 0.1 M NH4+, ANALYTICAL STANDARD (FOR ION-SELECTIVE
ELECTRODES) LT-P1 | EYE | END] WOOD PANELS [SC:WOOD Not
Screened UREA LT-UNK SLACK WAX (PETROLEUM) LT-1 | CAN | MUL
MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK UREA
FORMALDEHYDE LT-P1 | RES AMMONIUM CHLORIDE LT-P1 | EYE | END]
PAINT [WATER BM-4 LIMESTONE, CALCIUM CARBONATE LT-UNK
KAOLIN CLAY LT-UNK | CAN TITANIUM DIOXIDE LT-1 | CAN | END
ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 | SKI | EYE | END
RUTILE TITANIUM DIOXIDE LT-1 | CAN 1,2-BENZISOTHIAZOLIN-3-ONE
(BIT) LT-P1 | AQU | SKI | EYE | MUL] UV FINISH [OILS, SOYABEAN
ACRYLATE, EPOXIDISED LT-UNK TRIPROPYLENE GLYCOL DIACRYLATE
LT-P1 | AQU | SKI | EYE | MUL BISPHENOL A-EPICHLOROHYDRIN
ACRYLATE LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-
LT-UNK TALC BM-1 | CAN BENZOPHENONE LT-1 | CAN | END ACRYLIC
ACID LT-P1 | AQU | SKI | MUL] WOOD DOWELS [SC:WOOD Not Screened]

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Not Tested

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: Vertima

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-12-10

PUBLISHED DATE: 2020-01-10

EXPIRY DATE: 2022-12-10



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

WOODEN PARTS #1

#: 64.00 - 67.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: Alternative material to Wooden parts #2. Similar wooden assembly provided by 2 different suppliers. Wooden parts are made of pine (67-70w%), thin MDF(21-23w%), and 3 types of glues (5.1-7.3w%). Three types of glues are used for finger jointing of the wooden parts, edging and face lamination. Glue compositions have been obtained from supplier through a NDA process with the preparer.

SC:PINE

ID: SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-10

#: 67.00 - 70.00

GS: Not Screened

RC: None

NANO: No

ROLE: structural component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: Pinus Taeda, Pinus Elliotti

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material notes.

SC:WOOD

ID: SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-10

#: 16.80 - 21.20

GS: Not Screened

RC: None

NANO: No

ROLE: structural component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: multiple softwood species

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material notes.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **2.50 - 3.30**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.

MELAMINE-UREA-FORMALDEHYDE (MUF)

ID: **25036-13-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **1.50 - 4.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **resin**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.80 - 1.20**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.50 - 0.70**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.20 - 0.60**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Finger jointing glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.20 - 0.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **polymer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Finger jointing glue.

UREA

ID: **57-13-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.10 - 0.20**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **scavenger**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.10 - 0.20**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **polymer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Please refer to other material notes. Edging glue.		

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.09 - 0.14	GS: LT-UNK	RC: None	NANO: No	ROLE: polymer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Please refer to other material notes. Edging glue.				

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.09 - 0.10	GS: BM-4	RC: None	NANO: No	ROLE: solvent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.				

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.05 - 0.07	GS: NoGS	RC: None	NANO: No	ROLE: filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.				

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.04 - 0.06	GS: LT-UNK	RC: None	NANO: No	ROLE: filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.02 - 0.04** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **catalyst**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

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

SUBSTANCE NOTES: Please refer to other material notes. Finger jointing glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.02 - 0.03** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **catalyst**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

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

SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.01 - 0.02** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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CANCER MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.

SLACK WAX (PETROLEUM)

ID: **64742-61-6**

HAZARD TYPE: **0.00 - 0.50** GS: **LT-1** RC: **None** NANO: **No** ROLE: **water repellent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: Please refer to other material notes.

UNDISCLOSED

HAZARD TYPE: **0.00 - 0.05** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Finger jointing glue.

UNDISCLOSED

HAZARD TYPE: **0.00 - 0.05** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **polymer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Finger jointing glue.

UNDISCLOSED

HAZARD TYPE: **0.00 - 0.01** GS: **LT-1** RC: **None** NANO: **No** ROLE: **solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: Please refer to other material notes. Finger jointing glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01** GS: **BM-1** RC: **None** NANO: **No** ROLE: **reactant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
ORGAN TOXICANT	EU - GHS (H-Statements)	H370 - Causes damage to organs
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Please refer to other material notes. Edging glue.		

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.00 - 0.01	GS: LT-UNK	RC: None	NANO: No	ROLE: ingredient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		
SUBSTANCE NOTES: Please refer to other material notes. Edging glue.				

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.00 - 0.01	GS: LT-P1	RC: None	NANO: No	ROLE: ingredient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization		
SUBSTANCE NOTES: Please refer to other material notes. Edging glue.				

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.00 - 0.01	GS: LT-1	RC: None	NANO: No	ROLE: solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
GENE MUTATION	GHS - New Zealand	6.6A - Known or presumed human mutagens

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
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
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

#: **0.00 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

#: **0.00 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

#: **0.00 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	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: Please refer to other material notes. Edging glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **defoamer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **viscosity modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Face lamination glue.

WOODEN PARTS #2

#: **64.00 - 67.00**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: Alternative material to Wooden parts #1. Similar wooden assembly provided by 2 different suppliers. Wooden parts are made of pine (96w%), thin MDF(3.5w%), and 2 types of glues (0.3w%). Two types of glues are used for finger jointing of the wooden parts, face lamination. Glue compositions have been obtained from supplier through a NDA process with the preparer.

SC:PINE

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **96.00**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **structural component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: pinus strobus

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material notes.

SC:WOOD

ID: SC:Bio

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **2.90 - 3.30**

GS: **Not Screened**

RC: **PreC**

NANO: **No**

ROLE: **structural component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: multiple softwood species

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material notes.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.14 - 0.15**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Assembly glue.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.10 - 0.13**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes. Assembly glue.

UREA

ID: 57-13-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.02 - 0.05**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **scavenger**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.00 - 0.01**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes. Assembly glue.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.00 - 0.02**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes. Assembly glue.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.00 - 0.02**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes. Assembly glue.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **catalyst**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Please refer to other material notes. Assembly glue.

MELAMINE-UREA-FORMALDEHYDE (MUF)

ID: **25036-13-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.53** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

UREA FORMALDEHYDE

ID: **9011-05-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.42** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Please refer to other material notes.

SLACK WAX (PETROLEUM)

ID: **64742-61-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.05** GS: **LT-1** RC: **None** NANO: **No** ROLE: **water repellent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: Please refer to other material notes.

AMMONIUM ION SOLUTION FOR ISE, 0.1 M NH₄⁺, ANALYTICAL STANDARD (FOR ION-SELECTIVE ELECTRODES)

ID: 89485-85-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.01**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **catalyst**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Please refer to other material notes.

SLATS

#: **29.69 - 32.63**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: Slats are made of thin MDF or HDF depending on supplier (two different suppliers). The content inventory is an average composition of the two different suppliers. Some substances have been obtained from supplier through a NDA process with the preparer.

SC:WOOD

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **76.40 - 93.00**

GS: **Not Screened**

RC: **PreC**

NANO: **No**

ROLE: **main component**

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: multiple softwood species

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material notes.

UREA

ID: 57-13-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.50 - 2.90**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **scavenger**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

SLACK WAX (PETROLEUM)

ID: 64742-61-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.25 - 2.30**GS: **LT-1**RC: **None**NANO: **No**ROLE: **water repellent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

GHS - Australia

H350 - May cause cancer

SUBSTANCE NOTES: Please refer to other material notes.

MELAMINE-UREA-FORMALDEHYDE (MUF)

ID: 25036-13-9

#: **0.00 - 15.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes.**

UNDISCLOSED

#: **0.00 - 4.80**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **diluent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes. MUF resin.**

UNDISCLOSED

#: **Impurity/Residual**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	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
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
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
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Please refer to other material notes. MUF resin.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 12.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **resin**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: **Please refer to other material notes.**

NITROGEN

ID: **7727-37-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **Impurity/Residual**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes.**

BIURET (PRIMARY CASRN IS 108-19-0)

ID: **1866-97-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **Impurity/Residual**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes.**

UREA, N,N''-METHYLENEBIS-

ID: **13547-17-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **Impurity/Residual**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes.**

WATER

ID: **7732-18-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 5.00**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **humidity**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

AMMONIUM ION SOLUTION FOR ISE, 0.1 M NH4+, ANALYTICAL STANDARD (FOR ION-SELECTIVE ELECTRODES)

ID: 89485-85-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.40** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **catalyst**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Please refer to other material notes.

WOOD PANELS

#: **19.85 - 27.75**

PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: 2 different wood panels from the same supplier are used in the declared doors. An average composition has been disclosed in the content inventory.

SC:WOOD

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-10**

#: **84.00 - 93.00** GS: **Not Screened** RC: **PreC** NANO: **No** ROLE: **structural component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

SUBSTANCE NOTES:
 Version: SCBioMats/2018-02-23
 Category: Tree-based materials
 Identifier: multiple softwood species

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material notes.

UREA

ID: 57-13-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.50 - 1.40**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **scavenger**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes.****SLACK WAX (PETROLEUM)**

ID: 64742-61-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.25 - 1.50**GS: **LT-1**RC: **None**NANO: **No**ROLE: **water repellent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

GHS - Australia

H350 - May cause cancer

SUBSTANCE NOTES: **Please refer to other material notes.****MELAMINE-UREA-FORMALDEHYDE (MUF)**

ID: 25036-13-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.00 - 15.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **resin**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Please refer to other material notes.****UREA FORMALDEHYDE**

ID: 9011-05-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.00 - 12.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Please refer to other material notes.

AMMONIUM CHLORIDE

ID: 89485-85-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 0.00 - 0.40	GS: LT-P1	RC: None	NANO: No	ROLE: catalyst

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Please refer to other material notes.

PAINT

%: 2.20 - 2.30

PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: White primer applied to the final door.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 40.00	GS: BM-4	RC: None	NANO: No	ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-10		
%: 23.70	GS: LT-UNK	RC: UNK	NANO: No	ROLE: pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **16.40** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Please refer to other material notes.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **8.30** GS: **LT-1** RC: **None** NANO: **No** ROLE: **pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Please refer to other material notes.

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **1.50** GS: **BM-2** RC: **None** NANO: **No** ROLE: **solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Please refer to other material notes.

RUTILE TITANIUM DIOXIDE

ID: 1317-80-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.30** GS: **LT-1** RC: **None** NANO: **No** ROLE: **pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Please refer to other material notes.

1,2-BENZISOTHIAZOLIN-3-ONE (BIT)

ID: 2634-33-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **0.02** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Please refer to other material notes.

UV FINISH

%: 0.65 - 0.72

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: UV finish applied to the final door.

OILS, SOYABEAN ACRYLATE, EPOXIDISED

ID: 91722-14-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-10

%: 37.70 GS: LT-UNK RC: None NANO: No ROLE: resin

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-10

%: 32.20 GS: LT-P1 RC: None NANO: No ROLE: resin

HAZARD TYPE	AGENCY AND LIST TITLES	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
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
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

SUBSTANCE NOTES: Please refer to other material notes.

BISPHENOL A-EPICHLOROHYDRIN ACRYLATE

ID: 55818-57-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-10

%: 17.60 GS: LT-UNK RC: None NANO: No ROLE: resin

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-

ID: 7473-98-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Photoinitiator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Please refer to other material notes.

TALC

ID: 14807-96-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **3.60** GS: **BM-1** RC: **None** NANO: **No** ROLE: **pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Please refer to other material notes.

BENZOPHENONE

ID: 119-61-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

#: **1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **photoinitiator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Please refer to other material notes.

ACRYLIC ACID

ID: 79-10-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

%: **0.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Please refer to other material notes.

WOOD DOWELS

%: **0.38 - 0.51**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and disclosed in accordance with suppliers data.

OTHER MATERIAL NOTES: Wood dowels are composed of wood (91%) and PVAc glue (9%).

SC:WOOD

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-10**

%: **91.00** GS: **Not Screened** RC: **None** NANO: **No** ROLE: **main component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: Acer rubrum

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

Please refer to other material 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.

VOC EMISSIONS

CDPH Standard Method V1.2 (Section 01350/CHPS) - Not Tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: -

APPLICABLE FACILITIES: -

12-09

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

SUSTAINABLE FORESTRY

FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-**

EXPIRY DATE: **2024-**

CERTIFIER OR LAB: **SAI Global**

APPLICABLE FACILITIES: **Berthierville, Québec J0K**

11-14

11-06

1A0 CANADA

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **FSC Code: SAI-COC-004382**

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

More information about the declared false louver doors are available on PBI Doors' website:

<https://www.pbidoors.com/product-category/doors/louver-doors/false-louwer/>



MANUFACTURER INFORMATION

MANUFACTURER: **PBI Doors**

ADDRESS: **681 Melchers**

Berthierville QC J0K 1A0, Canada

WEBSITE: **www.pbidoors.com**

CONTACT NAME: **Jean Goudreau**

TITLE: **President**

PHONE: **450-836-9130**

EMAIL: **jgoudreau@pbidoors.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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

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-P1 List Translator Possible Benchmark 1

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.