

HPD UNIQUE IDENTIFIER: 26114

CLASSIFICATION: 08 14 00 Wood Doors

PRODUCT DESCRIPTION: This HPD covers Lambton Doors' EnviroDesign™ Series of 5 Ply Doors with a mineral core. In particular, it covers the following product models: 5-FD45/60/90 EME/ECE/EBE. Please note that this HPD does not cover jambs and fixtures.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	Residuals/Impurities	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Considered in 7 of 7 Materials	% weight and role provided for all substances.
<input checked="" type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided	Screened <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
<input type="radio"/> Product		for Residuals/Impurities?	One or more substances not screened using Priority
		<input checked="" type="radio"/> Yes <input type="radio"/> No	Hazard Lists with results disclosed and/ or one or more
			Special Condition did not follow guidance.
			Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> 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

MINERAL CORE [SILICON DIOXIDE BM-1 | CAN CALCIUM OXIDE (PRIMARY CASRN IS 1305-78-8) LT-P1 WATER (PRIMARY CASRN IS 7732-18-5) BM-4 UNDISCLOSED Not Screened MAGNESIUM OXIDE LT-UNK | CAN ALUMINUM OXIDE (PRIMARY CASRN IS 1344-28-1) BM-2 | RES SULFUR TRIOXIDE LT-P1 | MAM FERRIC OXIDE BM-1 | CAN PHOSPHORUS PENTOXIDE LT-P1 | SKI POTASSIUM OXIDE LT-UNK] LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE) [WOOD DUST - UNSPECIFIED NoGS POLYMERIC MDI (PMDI) LT-UNK | MUL | RES | CAN SLACK WAX (PETROLEUM) LT-1 | CAN | MUL] MINERAL STILES AND RAILS [QUARTZ LT-1 | CAN PORTLAND CEMENT LT-P1 | CAN | END CALCIUM HYDROXIDE LT-P1 PERLITE NoGS MICA NoGS PULP, CELLULOSE NoGS] VENEER [MAPLE NoGS] HARDWOOD EDGES [MAPLE NoGS] ADHESIVES [POLYVINYL ACETATE (PVA) LT-UNK BUTYL CARBITOL ACETATE LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK VINYL ACETATE LT-P1 | CAN | END | MUL | MAM | GEN | PHY] UV FINISHES [TALC BM-1 | CAN TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | SKI | EYE | AQU | MUL MAGNESITE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE BM-1 DIPROPYLENE GLYCOL DIACRYLATE LT-UNK SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9) BM-1 | CAN BENZOYL ISOPROPANOL LT-P1 N-METHYLDIETHANOLAMINE LT-P1 | END | EYE TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 | SKI | CAN | EYE | RES | MUL QUARTZ LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE LT-P1 | SKI | EYE | MUL]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Lambton Doors' products do not contain impurities. Products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in raw materials (wood, adhesives, fire-rated panels, wood panels and finishes), at that level, have been disclosed.

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: NA

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

☐ Yes
☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-07-22

PUBLISHED DATE: 2021-09-20

EXPIRY DATE: 2024-07-22

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

MINERAL CORE

#: 44.4200 - 44.4200

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.

OTHER MATERIAL NOTES: Core for fire doors.

SILICON DIOXIDE

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-22 8:03:52

#: 47.1500 - 47.1500 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	GHS - Australia	H350i - May cause cancer by inhalation
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: See Material notes

CALCIUM OXIDE (PRIMARY CASRN IS 1305-78-8)

ID: 60873-85-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-22 8:05:21

#: 42.8400 - 42.8400 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Filler

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

SUBSTANCE NOTES: See Material notes

WATER (PRIMARY CASRN IS 7732-18-5)

ID: 652133-48-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-08-13 14:26:12

#: 6.5100 - 6.5100 GS: BM-4 RC: None NANO: No SUBSTANCE ROLE: Residual

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

SUBSTANCE NOTES: See Material notes

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: Not Screened

%: 2.0000 - 2.0000	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
Hazard Screening not performed				
SUBSTANCE NOTES: See Material notes Organic fibres, CAS unknown				

MAGNESIUM OXIDE

ID: 1309-48-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 8:06:13				
%: 0.6000 - 0.6000		GS: LT-UNK		RC: None	NANO: No	SUBSTANCE ROLE: Buffer
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
CAN		MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
SUBSTANCE NOTES: See Material notes						

ALUMINUM OXIDE (PRIMARY CASRN IS 1344-28-1)

ID: 90669-62-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 8:08:44		
%: 0.3000 - 0.3000	GS: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
SUBSTANCE NOTES: See Material notes				

SULFUR TRIOXIDE

ID: 7446-11-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-13 14:20:01		
%: 0.2000 - 0.2000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MAM	US EPA - EPCRA Extremely Hazardous Substances		Extremely Hazardous Substances	
SUBSTANCE NOTES: See Material notes				

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 8:10:05		
%: 0.2000 - 0.2000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
SUBSTANCE NOTES: See Material notes				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-13 14:19:20		
%: 0.1000 - 0.1000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Humectant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
SKI	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]		
SUBSTANCE NOTES: See Material notes				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 8:12:59		
%: 0.1000 - 0.1000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Activator
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: See Material notes				

LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE)

%: 26.6500 - 26.6500

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Wood Dust, Fiber or Chips
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.		
OTHER MATERIAL NOTES: Door crossband is a high-density fiberboard (HDF) without any added formaldehyde.		

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:23		
%: 93.0000 - 97.0000	GS: NoGS	RC: PreC	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: See Material notes				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-07-22 7:41:27		
%: 3.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder	

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
SUBSTANCE NOTES: No-added formaldehyde resin		

SLACK WAX (PETROLEUM)

ID: 64742-61-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:36		
%: 0.0000 - 1.0000		GS: LT-1		RC: None NANO: No SUBSTANCE ROLE: Water resistance
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	EU - GHS (H-Statements)		H350 - May cause cancer	
CAN	EU - REACH Annex XVII CMRs		Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man	
CAN	EU - Annex VI CMRs		Carcinogen Category 1B - Presumed Carcinogen based on animal evidence	
MUL	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters	
CAN	GHS - Australia		H350 - May cause cancer	
SUBSTANCE NOTES: See Material notes				

MINERAL STILES AND RAILS		%: 22.8000 - 22.8000
MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Geologically Derived Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.		
OTHER MATERIAL NOTES: Component for fire doors. Ranges were given by the supplier.		

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:28		
%: 33.6800 - 33.6800	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Australia	H350i - May cause cancer by inhalation
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]
SUBSTANCE NOTES: See Material notes		

PORTLAND CEMENT

ID: 65997-15-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 8:17:49			
%: 28.5000 - 28.5000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SUBSTANCE NOTES: See Material notes					

CALCIUM HYDROXIDE

ID: 1305-62-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-13 14:24:50		
%: 10.3600 - 10.3600	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Initiator
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: See Material notes				

PERLITE

ID: 130885-09-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-13 14:23:50		
%: 10.3600 - 10.3600	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: See Material notes		

MICA

ID: 1318-94-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-13 14:22:46	
%: 10.3600 - 10.3600		GS: NoGS	RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS
None found			No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: See Material notes			

PULP, CELLULOSE

ID: 65996-61-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-11 10:48:51			
%: 6.7400 - 6.7400		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: See Material notes					

VENEER		%: 2.4300 - 2.4300
MATERIAL THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Wood or Lumber
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.		
OTHER MATERIAL NOTES: Veneer are available in a multitude of wood species, but Maple has been chosen as baseline scenario.		

MAPLE

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:22	
%: 100.0000 - 100.0000	GS: NoGS	RC: None	NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: See Material notes			

HARDWOOD EDGES		%: 1.8700 - 1.8700	
MATERIAL THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Wood or Lumber
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.			

OTHER MATERIAL NOTES: Edges are made of hardwood from a variety of wood species, but Maple has been chosen as baseline scenario.

MAPLE			ID: Not registered		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-07-22 7:41:21		
%: 100.0000 - 100.0000		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: See Material notes					

ADHESIVES		%: 1.2000 - 1.2000	
MATERIAL THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered.			
OTHER MATERIAL NOTES: Adhesives are used throughout the production line for assembly. They are all PVAc-based adhesives. PVAc = Polyvinyl Acetate			

POLYVINYL ACETATE (PVA)				ID: 9003-20-7		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:22				
%: 94.0000 - 99.0000		GS: LT-UNK		RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES: Concentration may vary from a PVAc-based adhesive to another						

BUTYL CARBITOL ACETATE				ID: 124-17-4		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-07-22 7:41:35			
%: 0.0000 - 3.0000		GS: LT-UNK		RC: None	NANO: No	SUBSTANCE ROLE: Coalescent
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES: Only present in one of the three PVAc-based adhesives. Ranges from 1% to 3% in the actual adhesive.						

ALUMINUM NITRATE, 9-HYDRATE				ID: 7784-27-2	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-07-22 7:41:34		
%: 0.0000 - 6.0000		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Only present in one of the three PVAc-based adhesives. Ranges from 1% to 6% in the actual adhesive.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:35	
%: Impurity/Residual		GS: LT-P1	RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS
CAN	EU - GHS (H-Statements)		H351 - Suspected of causing cancer
CAN	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor
CAN	IARC		Group 2b - Possibly carcinogenic to humans
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters
MAM	US EPA - EPCRA Extremely Hazardous Substances		Extremely Hazardous Substances
GEN	GHS - New Zealand		6.6A - Known or presumed human mutagens
PHY	EU - GHS (H-Statements)		H225 - Highly flammable liquid and vapour
SUBSTANCE NOTES: Only present in one of the three PVAc-based adhesives. Under 0.1% in the actual adhesive.			

UV FINISHES

%: 0.6400 - 0.6400

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.		
OTHER MATERIAL NOTES: UV cured finishes (100% solids). Inventory of substances based on MSDS of all four layers of product (1 layer = 1 UV curable product, 4 layers (4 products) in total). All products have been merged into one material to simplify the inventory.		

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:26		
%: 5.0000 - 10.0000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
CAN	IARC		Group 2b - Possibly carcinogenic to humans	
SUBSTANCE NOTES: Composition varies among layers				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-07-22 7:41:26		
%: 5.0000 - 60.0000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Reagent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
SUBSTANCE NOTES: Composition varies among layers		

MAGNESITE

ID: 546-93-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:30		
%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: Composition varies among layers				

BISPHENOL A-EPICHLOROHYDRIN ACRYLATE

ID: 55818-57-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:31		
%: 0.0000 - 60.0000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: Composition varies among layers				

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:32		
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: Composition varies among layers				

SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9)

ID: 37241-25-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:56:41		
%: 0.0000 - 5.0000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Nucleating agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	GHS - Australia	H350i - May cause cancer by inhalation
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]
SUBSTANCE NOTES: Composition varies among layers		

BENZOYL ISOPROPANOL

ID: **7473-98-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:57:21		
%: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Composition varies among layers				

N-METHYLDIETHANOLAMINE

ID: **105-59-9**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:58:25		
%: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
EYE	EU - GHS (H-Statements)		H319 - Causes serious eye irritation	
SUBSTANCE NOTES: Composition varies among layers				

TRIMETHYLOLPROPANE TRIACRYLATE

ID: **15625-89-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:31				
%: 0.0000 - 10.0000		GS: LT-P1		RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
SKI		MAK		Sensitizing Substance Sh - Danger of skin sensitization		
CAN		IARC		Group 2b - Possibly carcinogenic to humans		
SKI		EU - GHS (H-Statements)		H315 - Causes skin irritation		
EYE		EU - GHS (H-Statements)		H319 - Causes serious eye irritation		
RES		AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced		
MUL		German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
SKI		EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction		
SUBSTANCE NOTES: Composition varies among layers						

QUARTZ

ID: **14808-60-7**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:34			
%: 0.0000 - 10.0000		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen		
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route		
CAN	US NIH - Report on Carcinogens		Known to be Human Carcinogen (respirable size - occupational setting)		
CAN	MAK		Carcinogen Group 1 - Substances that cause cancer in man		
CAN	IARC		Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources		
CAN	IARC		Group 1 - Agent is Carcinogenic to humans		
CAN	GHS - Australia		H350i - May cause cancer by inhalation		
CAN	GHS - New Zealand		6.7A - Known or presumed human carcinogens		
CAN	GHS - Japan		Carcinogenicity - Category 1A [H350]		
SUBSTANCE NOTES: Composition varies among layers					

1,6-HEXANEDIOL DIACRYLATE
ID: 13048-33-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-22 7:41:34			
%: 0.0000 - 10.0000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
SKI	MAK		Sensitizing Substance Sh - Danger of skin sensitization		
SKI	EU - GHS (H-Statements)		H315 - Causes skin irritation		
EYE	EU - GHS (H-Statements)		H319 - Causes serious eye irritation		
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
SKI	EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction		
SUBSTANCE NOTES: Composition varies among layers					

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	NA
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-08-16
APPLICABLE FACILITIES: NA	EXPIRY DATE:
CERTIFICATE URL:	CERTIFIER OR LAB: NA
CERTIFICATION AND COMPLIANCE NOTES: Project under analysis	

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.

ALL ACCESSORIES	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:	
Please consult Lambton Doors' website for more information on available accessories: http://www.lambtondoors.com/architects-space/technical-space/options-and-accessories/	

Section 5: General Notes

See "INVENTORY AND SCREENING NOTES" for information on Residuals/Impurities.

MANUFACTURER INFORMATION

MANUFACTURER: Lambton Doors
ADDRESS: 235 2nd Avenue

Lambton Quebec G0M 1H0, Canada
WEBSITE: www.lambtondoors.com

CONTACT NAME: Keven Campagna
TITLE: R&D Supervisor
PHONE: 4184867401
EMAIL: keven.campagna@lambtondoors.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.