

5 Ply Doors - Structural Composite Lumber Core (SCL) - EnviroDesign™ Series by Lambton Doors

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 26116

CLASSIFICATION: 08 14 00 Wood Doors

PRODUCT DESCRIPTION: This HPD covers Lambton Doors' EnviroDesign™ series of 5 Ply doors with a structural composite lumber core (SCL). In particular, it covers the following product models: 5-FLSL- EME/ECE/EBE, 5-UFLSL- EME/ECE/EBE, 5-FSSCL45- EME/ECE/EBE, 5-UFSCL45- EME/ECE/EBE, 5-STC31- 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 | <i>All Substances Above the Threshold Indicated Are:</i> Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No % weight and role provided for all substances. Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No All substances screened using Priority Hazard Lists with results disclosed. 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. |
| <input checked="" type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm | Residuals/Impurities | |
| <input type="radio"/> Basic Method | <input checked="" type="radio"/> 1,000 ppm | Considered in 7 of 7 Materials | |
| Threshold Disclosed Per | <input type="radio"/> Per GHS SDS | Explanation(s) provided for Residuals/Impurities? | |
| <input checked="" type="radio"/> Material | <input type="radio"/> Other | <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| <input type="radio"/> Product | | | |

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

DOOR CORE [WOOD FIBER - UNSPECIFIED NoGS POLYMERIC MDI (PMDI) LT-UNK | MUL | RES | CAN PARAFFIN 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] STILES AND RAILS [WOOD FIBER - UNSPECIFIED NoGS POLYMERIC MDI (PMDI) LT-UNK | MUL | RES | CAN PARAFFIN LT-UNK] VENEER [MAPLE NoGS] HARDWOOD EDGES [MAPLE NoGS] ADHESIVES [POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK BUTYL CARBITOL ACETATE LT-UNK VINYL ACETATE LT-P1 | CAN | END | MUL | MAM | GEN | PHY] UV FINISHES [TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | SKI | EYE | AQU | MUL TALC BM-1 | CAN MAGNESITE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 | SKI | CAN | EYE | RES | MUL SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9) BM-1 | CAN DIPROPYLENE GLYCOL DIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE BM-1 N-METHYLDIETHANOLAMINE LT-P1 | END | EYE BENZOYL ISOPROPANOL LT-P1 1,6-HEXANEDIOL DIACRYLATE LT-P1 | SKI | EYE | MUL QUARTZ LT-1 | CAN]

Number of Greenscreen BM-4/BM3 contents ... 0
 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, 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

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

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

DOOR CORE

%: 70.0200 - 70.0200

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: The door core is composed of structural composite lumber. The same material as in the stiles and rails.

WOOD FIBER - UNSPECIFIEDID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:16**%: **93.0000 - 95.0000** 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: May vary depending on product

POLYMERIC MDI (PMDI)ID: **9016-87-9**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:18**%: **4.0000 - 6.0000** 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: Polymeric Diphenylmethane Diisocyanate. Concentration may vary depending on product.

PARAFFINID: **8002-74-2**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:26**%: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Water resistance**

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

SUBSTANCE NOTES: May vary depending on product

LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE)%: **19.1700 - 19.1700**

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 high-density fiberboard (HDF) without any added formaldehyde.

WOOD DUST - UNSPECIFIEDID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:16**%: **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

POLYMERIC MDI (PMDI)ID: **9016-87-9**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:19**%: **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 6:39:25**%: **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

STILES AND RAILS%: **6.3900 - 6.3900**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.

OTHER MATERIAL NOTES: Stiles and rails are made of structural composite lumber.

WOOD FIBER - UNSPECIFIED

ID: Not registered

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:17**

#: **93.0000 - 95.0000** 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: May vary depending on product

POLYMERIC MDI (PMDI)

ID: 9016-87-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:19**

#: **4.0000 - 6.0000** 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: Polymeric Diphenylmethane Diisocyanate. Concentration may vary depending on product.

PARAFFIN

ID: 8002-74-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:25**

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Water resistance**

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

SUBSTANCE NOTES: May vary depending on product

veneER

#: **1.7500 - 1.7500**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.

OTHER MATERIAL NOTES: Veneers are available in a multitude of wood species, but Maple has been chosen as baseline scenario.

MAPLEID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:15**%: **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%: **1.3500 - 1.3500**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.

MAPLEID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:14**%: **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%: **0.8600 - 0.8600**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 6:39:15**%: **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

ALUMINUM NITRATE, 9-HYDRATEID: **7784-27-2**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:24**%: **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.

BUTYL CARBITOL ACETATE

ID: 124-17-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:24**

#: **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.

VINYL ACETATE

ID: 108-05-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:25**

#: **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

#: **0.4600 - 0.4600**

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 MSDSs 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.

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-22 6:39:17**

#: **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

TALC

ID: 14807-96-6

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:39:18 | | |
|---|------------------------|--|-----------------|-------------------------------|
| #: 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

MAGNESITE

ID: 546-93-0

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:39:19 | | |
|---|------------------------|--|-----------------|-------------------------------|
| #: 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

TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

| | | | | |
|---|------------------|--|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:48:36 | | |
| #: 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

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

ID: 107497-59-6

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-07-22 6:56:45 | | | |
|---|--|--|-----------------|---|
| #: 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

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-07-22 6:47:37 | | | |
|---|--|--|-----------------|--------------------------------|
| #: 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

BISPHENOL A-EPICHLOROHYDRIN ACRYLATE

ID: 55818-57-0

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-07-22 6:46:09 | | | |
|---|--|--|-----------------|--------------------------------|
| #: 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

N-METHYLDIETHANOLAMINE

ID: 105-59-9

| | | | | |
|---|---------------------------------------|--|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:44:28 | | |
| #: 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 | | | | |

BENZOYL ISOPROPANOL ID: **7473-98-5**

| | | | | |
|---|------------------------|--|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:59:35 | | |
| #: 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 | | | | |

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

| | | | | |
|---|---|---|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:39:23 | | |
| #: 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 | | | | |

QUARTZ ID: **14808-60-7**

| | | | | |
|---|-----------------|--|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-07-22 6:39:23 | | |
| #: 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

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-

EXPIRY DATE:

CERTIFIER OR LAB: NA

APPLICABLE FACILITIES: NA

16

CERTIFICATE URL:

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/> ----- For the door model 5-STC31-EME/ECE/EBE, acoustical hardware are used.

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: 418 486 7401
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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) | NoGS No GreenScreen. |
| 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) | |

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.