

HPD UNIQUE IDENTIFIER: 26035

CLASSIFICATION: 09 64 00 Wood Flooring

PRODUCT DESCRIPTION: This HPD covers wood flooring with a 3 plies wood core by Boa-Franc. More specifically, It covers 3 plies wood core flooring pre-finished at St-Georges' facility in Quebec, Canada. The product is made of real hardwood boards with SPF quarter sawn core and a wood backing. Boards have uniform thicknesses and widths with micro-V joints on all four sides. The product is radiant heat approved for most wood species.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| | | | |
|--|--|---|---|
| Inventory Reporting Format | Threshold level | Residuals/Impurities | <i>All Substances Above the Threshold Indicated Are:</i> Characterized <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No % weight and role provided for all substances except SC substances characterized according to SC guidance. Screened <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC 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. |
| <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 8 of 14 Materials | |
| Threshold Disclosed Per | <input type="radio"/> Per GHS SDS | Explanation(s) provided for Residuals/Impurities? | |
| <input type="radio"/> Material | <input type="radio"/> Other | <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| <input checked="" 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
SC: BIO:SPFCORE [SC:WOOD Not Screened] SC: BIO:HARDWOOD [SC:WOOD Not Screened] SC: BIO:VENEER [SC:VENEER Not Screened] FINISHES - ST-GEORGES [UNDISCLOSED LT-P1 | SKI | MUL | EYE UNDISCLOSED NoGS UNDISCLOSED LT-P1 | SKI | CAN | RES | MUL | EYE UNDISCLOSED NoGS UNDISCLOSED LT-P1 UNDISCLOSED NoGS UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | SKI | MUL | EYE | AQU UNDISCLOSED LT-UNK UNDISCLOSED BM-1 UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED NoGS UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-1 | CAN | EYE UNDISCLOSED BM-1 UNDISCLOSED NoGS UNDISCLOSED NoGS SILICA GEL LT-UNK UNDISCLOSED NoGS ALUMINUM OXIDE BM-2 | RES QUARTZ BM-1 | CAN NEPHELINE SYENITE LT-UNK SILICON DIOXIDE BM-1 | CAN]
ADHESIVE G [UNDISCLOSED BM-4 LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) BM-3dg UNDISCLOSED LT-UNK POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI)) LT-UNK | MUL | RES | CAN METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)) LT-UNK | MUL | RES | CAN | SKI | EYE]
ADHESIVE H [UNDISCLOSED BM-4 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK LIMESTONE BM-3dg POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI)) LT-UNK | MUL | RES | CAN METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)) LT-UNK | MUL | RES | CAN | SKI | EYE]
STAIN [CARBON BLACK BM-1 | CAN 2-PYRROLIDINONE, 1-ETHENYL- LT-1 | CAN | EYE POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-

Number of Greenscreen BM-4/BM3 contents ... 8
 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.

Nested Materials Inventory at a product threshold of 1,000 ppm. This HPD covers the whole range of wood species, wood products and types of finishes and adhesives available for 3 plies wood core flooring manufactured by Boa-Franc, which introduces ranges in material composition. Adhesives A, D, G, H and I are used interchangeably to bond the hardwood lamella to the SPF core. The use of adhesives A, D, G, H or I depends on the wood species and flooring specs. Adhesives C, E, F, G and H are used interchangeably to bond the veneer backing to the SPF core. Special Conditions materials are present in the product: biological material, reaction products, defined substances without identifier, plastics and polymers. Guidelines for reporting Biological Materials (SCBioMats/2018-02-23) was followed. Other Special Conditions materials are still under development by HPDC and the manufacturer will update the HPD accordingly once these guidelines get published.

OXO-2-PROPEN-1-YL(OXY)- LT-P1 | MUL BENZOYL ISOPROPANOL
 LT-P1 PPG-3 GLYCERYL TRIACRYLATE LT-UNK ETHYLENE GLYCOL
 DIACRYLATE NoGS BIS-TRIMETHYLBENZOYL PHENYLPHOSPHINE
 OXIDE LT-UNK | SKI TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 |
 SKI | CAN | RES | MUL | EYE TITANIUM DIOXIDE LT-1 | CAN | END 1,6-
 HEXANEDIOL DIACRYLATE LT-P1 | SKI | MUL | EYE SILICA GEL LT-
 UNK] ADHESIVE F [UNDISCLOSED BM-4 UNDISCLOSED LT-UNK
 UNDISCLOSED LT-UNK | MUL | RES | CAN | SKI | EYE UNDISCLOSED
 LT-UNK | MUL | RES | CAN UNDISCLOSED LT-UNK | CAN
 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1
 | END UNDISCLOSED LT-P1 | END | EYE UNDISCLOSED LT-P1 | MUL |
 SKI | AQU] ADHESIVE A [UNDISCLOSED LT-UNK | MUL | RES | CAN
 UNDISCLOSED LT-1 | CAN METHYLENE BISPHENYL DIISOCYANATE
 (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))
 LT-UNK | MUL | RES | CAN | SKI | EYE UNDISCLOSED LT-UNK
 UNDISCLOSED BM-1 | END | CAN | MUL CARBON BLACK (CARBON
 BLACK) BM-1 | CAN UNDISCLOSED LT-P1 | SKI UNDISCLOSED BM-1 |
 CAN UNDISCLOSED LT-UNK] ADHESIVE C [UNDISCLOSED LT-UNK
 UNDISCLOSED BM-4 POLYMERIC MDI (PMDI) (POLYMERIC MDI
 (PMDI)) LT-UNK | MUL | RES | CAN METHYLENE BISPHENYL
 DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL
 DIISOCYANATE (PURE MDI)) LT-UNK | MUL | RES | CAN | SKI | EYE
 BUTYL CARBITOL ACETATE LT-UNK] ADHESIVE D [UNDISCLOSED
 BM-4 UNDISCLOSED LT-UNK LIMESTONE BM-3dg 4,4'-
 DIPHENYLMETHANE DIISOCYANATE LT-UNK | MUL | RES | CAN | SKI |
 EYE POLYMETHYLENE POLYPHENYL ISOCYANATE LT-UNK | MUL |
 RES | CAN] ADHESIVE E [UNDISCLOSED BM-4 UNDISCLOSED LT-
 UNK POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI)) LT-UNK |
 MUL | RES | CAN METHYLENE BISPHENYL DIISOCYANATE (PURE
 MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)) LT-UNK |
 MUL | RES | CAN | SKI | EYE BUTYL CARBITOL ACETATE LT-UNK]
 WOOD FILLER [UNDISCLOSED LT-UNK LIMESTONE BM-3dg]
 ADHESIVE I [UNDISCLOSED BM-4 UNDISCLOSED LT-UNK
 UNDISCLOSED BM-3 UNDISCLOSED LT-UNK | MUL | RES | CAN | SKI |
 EYE UNDISCLOSED LT-UNK | MUL | RES | CAN UNDISCLOSED LT-
 UNK UNDISCLOSED LT-UNK | CAN | SKI | EYE | GEN UNDISCLOSED
 LT-1 | CAN | MUL UNDISCLOSED BM-1 | CAN]

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) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

No

PREPARER: Vertima

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-09-08

PUBLISHED DATE: 2021-09-08

EXPIRY DATE: 2024-09-08

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.hpdc-collaborative.org/hpd-2-2-standard

SC:BIO:SPFCORE

#: 62.9000 - 67.5000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Virgin wood is considered free from residuals and impurities.

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- Spruce-Pine-Fir wood species make the SPF core.

SC:WOOD

ID: SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

#: 100.0000

GS: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Structure 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: Spruce, Pine, Fir

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. See other material notes.

SC:BIO:HARDWOOD

#: 23.7000 - 26.7000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Virgin wood is considered free from residuals and impurities.

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- Different species of hardwood are available. Weight percentage are used to cover all the different product options and include various wood densities.

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

%: **100.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure 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: see substance notes

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. Multiple species are available: Hickory, Maple, Oak, Red Oak, Sapele, Walnut and White Oak.

SC:Bio:VENEER

%: 7.0000 - 9.2000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Virgin wood is considered free from residuals and impurities.

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- Softwood veneer used for backing.

SC:VENEER

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

%: **100.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|--------------------------------|------------------------|----------|
| Hazard Screening not performed | | |

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: aspen and spruce (Populus tremula and Picea abies)

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. See Other Material Notes.

FINISHES - ST-GEORGES

%: 0.1000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not identified.

OTHER MATERIAL NOTES: This material groups the whole range of applicable finishes for the wood flooring (varnish). Ranges comes from all different compositions occurring among product alternatives and to not reveal exact recipe. Finishing systems are composed of 4 to 5 types of finishes. It should be noted that substances which have fillers as role can also have pigment as role.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:50**%: **0.0000 - 35.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:57**%: **0.0000 - 20.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:51**%: **0.0000 - 25.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| 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 [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:51**

#: **0.0000 - 20.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Film former**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:35**

#: **0.0000 - 20.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:35**

#: **0.0000 - 30.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:36**

#: **0.0000 - 25.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:36**

#: 0.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Intermediate

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:37**

#: 0.0000 - 25.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| AQU | EU - GHS (H-Statements) | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:37**

#: 0.0000 - 15.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Intermediate

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:38**

#: 0.0000 - 50.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Film former

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:38**

%: **0.0000 - 20.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:39**

%: **0.0000 - 45.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:39**

%: **0.0000 - 20.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:39**

%: **0.0000 - 15.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:40**

%: 0.0000 - 10.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:40**

%: 0.0000 - 15.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|-------------------------|---|
| CAN | MAK | Carcinogen Group 2 - Considered to be carcinogenic for man |
| EYE | EU - GHS (H-Statements) | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:41**

%: 0.0000 - 15.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Intermediate

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 7:32:41**

%: 0.0000 - 15.0000

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Intermediate

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:48:04**

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Intermediate

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

SILICA GEL

ID: 112926-00-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-09-08 7:48:07

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: Weight ranges are used to cover multiple products and to not reveal exact recipe.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-09-08 7:48:07

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Intermediate

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover multiple products and to not reveal exact recipe. It should be noted that this resin component is not present in final film.

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-09-08 7:48:08

GS: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RES AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Weight ranges are used to cover multiple products and to not reveal exact recipe.

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-09-08 7:48:09

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

| 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 - New Zealand | 6.7A - Known or presumed human carcinogens |
| CAN | GHS - Japan | H350 - May cause cancer [Carcinogenicity - Category 1A] |
| CAN | GHS - Australia | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B] |

SUBSTANCE NOTES: Weight ranges are used to cover multiple products and to not reveal exact recipe.

NEPHELINE SYENITE

ID: 37244-96-5

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-09-08 7:48:09 | | |
|---|------------------------|--|-----------------|-------------------------------|
| #: 0.0000 - 40.0000 | 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: Weight ranges are used to cover multiple products and to not reveal exact recipe.

SILICON DIOXIDE

ID: 7631-86-9

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-09-08 7:48:10 | | |
|---|------------------------|--|-----------------|-------------------------------|
| #: 0.0000 - 15.0000 | GS: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Filler |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| CAN | GHS - Japan | H350 - May cause cancer [Carcinogenicity - Category 1A] | | |
| CAN | GHS - Australia | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B] | | |

SUBSTANCE NOTES: Weight ranges are used to cover multiple products and to not reveal exact recipe.

ADHESIVE G

#: 0.0000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Information on residuals and impurities not provided by supplier.

OTHER MATERIAL NOTES: Two-component adhesive made of polymer in emulsion and isocyanate-based crosslinker. Adhesive G is used for binding SPF core and hardwood lamella. Alternate to Adhesives A, D, H, and I . Also used to bind back veneer to SPF core. Alternate to Adhesive C, E, F and H.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:15**

#: **44.0000 - 53.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: **1317-65-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:26**

#: **8.5000 - 27.0000** GS: **BM-3dg** 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: Weight range is used to cover production variability and product exact recipe.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:26**

#: **8.5000 - 18.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))

ID: **9016-87-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:34**

#: **3.5000 - 7.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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: Weight range is used to cover production variability and product exact recipe.

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:34**

#: **3.5000 - 7.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe.

ADHESIVE H

#: **0.0000 - 1.0000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities provided by supplier.

OTHER MATERIAL NOTES: Two-component adhesive made of polymer in emulsion and isocyanate-based crosslinker. Adhesive H is used for binding SPF core and hardwood lamella. Alternate to Adhesives A, D, G, and I . Also used to bind back veneer to SPF core. Alternate to Adhesive C, E, F and G.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:22**

%: **26.0000 - 35.5000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:24**

%: **17.5000 - 26.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:25**

%: **13.0000 - 22.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

LIMESTONE

ID: **1317-65-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:28**

%: **8.5000 - 26.5000** GS: **BM-3dg** 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: Weight range is used to cover production variability and product exact recipe.

POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))

ID: **9016-87-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:33**

#: 3.5000 - 7.5000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

| 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: Weight range is used to cover production variability and product exact recipe.

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:33**

#: 3.5000 - 7.5000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe.

STAIN

#: 0.0000 - 0.5000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were not considered; however, they should fall under the declaration threshold.

OTHER MATERIAL NOTES: Wood flooring may or may not be stained, and various stain options are available. Therefore, the material has a range of weight percentage.

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:48:05**

#: **0.0000 - 1.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

2-PYRROLIDINONE, 1-ETHENYL-

ID: 88-12-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:58**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Intermediate**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|-------------------------|---|
| CAN | MAK | Carcinogen Group 2 - Considered to be carcinogenic for man |
| EYE | EU - GHS (H-Statements) | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)-

ID: 84170-74-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:58**

#: **0.0000 - 5.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Film former**

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

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

BENZOYL ISOPROPANOL

ID: 7473-98-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:59**

#: 0.0000 - 3.2000

GS: LT-P1

RC: UNK

NANO: No

SUBSTANCE ROLE: Film former

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

PPG-3 GLYCERYL TRIACRYLATE

ID: 52408-84-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-08 7:48:01

#: 0.0000 - 20.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Monomer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

ETHYLENE GLYCOL DIACRYLATE

ID: 2274-11-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-08 7:48:02

#: 0.0000 - 2.3000

GS: NoGS

RC: UNK

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

BIS-TRIMETHYLBENZOYL PHENYLPHOSPHINE OXIDE

ID: 162881-26-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-08 7:48:03

#: 0.0000 - 5.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Stabilizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKI

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-08 7:48:03

#: 0.0000 - 5.0000

GS: LT-P1

RC: UNK

NANO: No

SUBSTANCE ROLE: Curing agent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| 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 [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

TITANIUM DIOXIDE

ID: 13463-67-7

| | | | | |
|---|--|----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-09-08 7:47:54 | | | |
| %: 0.0000 - 1.5000 | GS: LT-1 | RC: UNK | NANO: No | SUBSTANCE ROLE: Pigment |

| 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 | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| 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 | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

| | | | | |
|---|--|----------------|-----------------|-------------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-09-08 7:48:06 | | | |
| %: 0.0000 - 30.0000 | GS: LT-P1 | RC: UNK | NANO: No | SUBSTANCE ROLE: Curing agent |

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

SILICA GEL

ID: 112926-00-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:48:06**
 %: **0.0000 - 5.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Matting agent**

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

SUBSTANCE NOTES: Ranges are used to cover multiple products as well as product exact recipe.

ADHESIVE F

%: 0.0000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities provided by supplier. Only residuals and impurities present within the chosen disclosure threshold have been included in the HPD.

OTHER MATERIAL NOTES: Alternate to Adhesive C, E, G and H, adhesive F is also used for binding back veneer to SPF core.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:19**
 %: **36.0000 - 54.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Emulsifier**

| 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

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:21**
 %: **27.0000 - 45.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

| 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

ID: **Undisclosed**

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-09-08 7:47:29 | | |
|---|------------------------------------|---|-----------------|--------------------------------|
| #: 5.0000 - 7.0000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Monomer |
| 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 | | |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] | | |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] | | |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] | | |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] | | |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] | | |

SUBSTANCE NOTES: Please refer to Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-09-08 7:47:35 | | |
|---|------------------------------------|--|-----------------|--------------------------------|
| #: 3.0000 - 5.0000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Monomer |
| 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: Please refer to Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:38**

#: **0.9000 - 4.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coalescent**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|--|
| CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |

SUBSTANCE NOTES: Please refer to Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:38**

#: **0.9000 - 4.5000** 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: Please refer to Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:42**

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

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

SUBSTANCE NOTES: Substance present in Adhesive F at a concentration between 0.1% and 0.9%. See Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:40**

#: **0.1000 - 0.9000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|-------------------------------|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES: Please refer to Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:43**

#: **0.1000 - 0.9000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

| 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 [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: Please refer to Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:44**

%: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| AQU | EU - GHS (H-Statements) | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |

SUBSTANCE NOTES: Substance present in Adhesive F at a concentration between 0.01 % and 0.05%. See Other Material Notes.

ADHESIVE A

%: **0.0000 - 1.1000**

PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities provided by supplier. Only residuals and impurities present within the chosen disclosure threshold have been included in the HPD.

OTHER MATERIAL NOTES: Adhesive A is a polyurethane-based hot melt adhesive. Adhesive A is an average of two very similar products (difference <1 w%). Adhesive A is used for binding SPF core and hardwood lamella. Alternate to Adhesives D, G, H and I.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:17**

%: **40.0000 - 60.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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: Approximation for a proprietary isocyanate polymer. See Other Material Notes.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:21**%: **30.0000 - 50.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Tackifier**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|-----------------------------------|--|
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CAN | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| CAN | CA EPA - Prop 65 | Carcinogen |

SUBSTANCE NOTES: Please refer to Other Material Notes.

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))ID: **101-68-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:37**%: **1.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: See Other Material Notes.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-27 13:48:32**%: **1.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

| 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

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:40**

%: **0.1000 - 0.5000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| END | ChemSec - SIN List | Endocrine Disruption |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

SUBSTANCE NOTES: Please refer to Other Material Notes.

CARBON BLACK (CARBON BLACK)

ID: **1333-86-4**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:39**

%: **0.1000 - 0.5000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: See Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:44**

%: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| 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: Present in Adhesive A at a concentration between 0.01% and 0.1%. See Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:45**

%: **Impurity/Residual** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: Present in Adhesive A at a concentration between 0.01% and 0.1%. See Other Material Notes.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-06 8:03:55**

%: **0.0000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

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

SUBSTANCE NOTES: Substance present in one of the two similar adhesives. See Other Material Notes.

ADHESIVE C

%: **0.0000 - 1.0000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **No** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Information on residuals and impurities not provided by supplier.

OTHER MATERIAL NOTES: Two-component adhesive made of polymer in emulsion and isocyanate-based crosslinker. Alternate to Adhesive E, F, G and H, adhesive C is also used for binding back veneer to SPF core.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:16**

%: **43.0000 - 51.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: Weight range is used to cover variability in production and adhesive exact recipe. This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:20**

%: **34.5000 - 39.5000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: Weight range is used to cover variability in production and adhesive exact recipe. This substance is undisclosed as it is proprietary.

POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))

ID: 9016-87-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:32**

%: **3.5000 - 8.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

| 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: Weight range is used to cover variability in production and adhesive exact recipe.

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:32**

%: **3.5000 - 8.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: Weight range is used to cover variability in production and adhesive exact recipe.

BUTYL CARBITOL ACETATE

ID: 124-17-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:45**

%: 0.0100 - 1.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

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

SUBSTANCE NOTES: Weight range is used to cover variability in production and adhesive exact recipe.

ADHESIVE D

%: 0.0000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Information on residuals and impurities provided by supplier.

OTHER MATERIAL NOTES: Adhesive D is a two-component adhesive used for binding SPF core and hardwood lamella. Alternate to Adhesives A,G, H and I.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:19**

%: 35.5000 - 44.5000

GS: **BM-4**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and exact recipe. This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:23**

%: 17.5000 - 27.0000

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and exact recipe. This substance is undisclosed as it is proprietary.

LIMESTONE

ID: **1317-65-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:27**

%: 8.5000 - 27.0000

GS: **BM-3dg**

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: Weight range is used to cover production variability and exact recipe.

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: **101-68-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:36**

?: 3.0000 - 7.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: Weight range is used to cover production variability and exact recipe.

POLYMETHYLENE POLYPHENYL ISOCYANATE

ID: 9016-87-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:35**

?: 3.0000 - 7.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

| 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: Weight range is used to cover production variability and exact recipe.

ADHESIVE E

?: 0.0000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Information on residuals and impurities provided by supplier.

OTHER MATERIAL NOTES: Two-component adhesive made of polymer in emulsion and isocyanate-based crosslinker. Alternate to Adhesive C, F, G and H, adhesive E is also used for binding back veneer to SPF core.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:17**%: **42.5000 - 47.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:18**%: **37.0000 - 41.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and product exact recipe. This substance is undisclosed as it is proprietary.

POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))ID: **9016-87-9**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:30**%: **4.5000 - 9.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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: Weight range is used to cover production variability and exact recipe.

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))ID: **101-68-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:31**%: **4.5000 - 9.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: Weight range is used to cover production variability and exact recipe.

BUTYL CARBITOL ACETATE

ID: 124-17-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:39**
 %: **0.5000 - 4.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: Weight range is used to cover production variability and exact recipe.

WOOD FILLER

#: 0.0000 - 0.3000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered; however, they should be below the declaration threshold.

OTHER MATERIAL NOTES: Wood flooring may or may not need wood putty; hence the range of weight percentage.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:15**%: **60.0000 - 70.0000** 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: This substance is undisclosed as it is proprietary. Ranges are used to cover multiple products as well as product exact recipe.

LIMESTONEID: **1317-65-3**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:48:00**%: **0.0000 - 30.0000** GS: **BM-3dg** 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: Weight range is used to cover multiple wood fillers and keep exact recipe confidential.

ADHESIVE I%: **0.0000 - 1.0000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not present at above declaration threshold.

OTHER MATERIAL NOTES: Alternate to Adhesive A, D, G and H, adhesive I is used for binding SPF core to lamella.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:20**%: **34.8000 - 43.5000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Emulsifier**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:22**%: **26.1000 - 34.8000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:25**

%: **8.7000 - 17.4000** GS: **BM-3** 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: This substance is undisclosed as it is proprietary.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:29**

%: **6.5000 - 9.1000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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 |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:31**

%: **3.9000 - 6.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| 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: This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|---|--|-----------------|-----------------|------------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-09-08 7:47:38 | | | |
| %: 0.9000 - 4.4000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Plasticizer |

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-09-08 7:47:41 | | | |
| %: 0.1000 - 0.9000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Biocide |

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|-------------------------|--|
| CAN | MAK | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| GEN | EU - GHS (H-Statements) | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|---|--|-----------------|-----------------|---------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2021-09-08 7:47:42 | | | |
| %: 0.1000 - 0.9000 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Defoamer |

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|----------------------------|--|
| 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 |
| CAN | EU - GHS (H-Statements) | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B] |
| CAN | GHS - Australia | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-08 7:47:41**
 %: **0.1000 - 0.9000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Abrasion resistance**

| 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 - New Zealand | 6.7A - Known or presumed human carcinogens |
| CAN | GHS - Japan | H350 - May cause cancer [Carcinogenicity - Category 1A] |
| CAN | GHS - Australia | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

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) - Classroom & Office scenario

CERTIFYING PARTY: Third Party

ISSUE DATE: 2021-05- EXPIRY DATE:

CERTIFIER OR LAB: Berkely

APPLICABLE FACILITIES: St-Georges (Quebec), Canada

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analytical

CERTIFICATE URL:

<https://clearchem.berkeleyanalytical.com/clearchem-declared/boa-franc-gp>

CERTIFICATION AND COMPLIANCE NOTES: Certificate number: 210518-02 and 210305-04

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

MANUFACTURER INFORMATION

MANUFACTURER: Boa-Franc
ADDRESS: 3057, 108e rue
 Saint-Georges Quebec G6A 1M2, Canada
WEBSITE: www.boa-franc.com

CONTACT NAME: Technical service
TITLE: -
PHONE: (418) 227-1181 | (800) 463-1303
EMAIL: technique@boa-franc.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) | 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.