

**CLASSIFICATION:** 09 65 00.00 Finishes: Resilient Flooring

**PRODUCT DESCRIPTION:** Impressa is a PVC-free floor covering made from natural ingredients including linseed oil, rosin binders, wood flour, limestone and dry pigments which are mixed and then calendared onto a polyester backing. Impressa has a high performance transparent top coat, which provides color clarity. The standard thickness is 2.5mm (1/10") and is available in 9.8" x 39.37" (25 cm x 100 cm) size tiles.

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per**

- Material
- Product

**Threshold level**

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

**Residuals/Impurities**

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?  
 Yes  No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No  
*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No  
*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No  
*All substances disclosed by Name (Specific or Generic) and Identifier.*

**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**

**IMPRESSA** [ **LINSEED OIL** NoGS **CELLULOSE PULP (CELLULOSE PULP (SC: WOOD FLOUR))** NoGS **ALUMINA TRIHYDRATE** BM-2 | **RES TALL OIL** LT-P1 | **RES** | **MUL** | **SKI** **LIMESTONE, CALCIUM CARBONATE** LT-UNK **GUM ROSIN** LT-P1 | **SKI** **POLYETHYLENE TEREPHTHALATE (PET)** LT-UNK **TITANIUM DIOXIDE** LT-1 | **CAN** | **END** **POLYURETHANE FOAMS** LT-UNK **2-OXEPANONE, POLYMER WITH 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND 5-ISOCYANATO-1-(ISOCYANATOMETHYL)-1,3,3-TRIMETHYLCYCLOHEXANE, 2-HYDROXYETHYL ACRYLATE-BLOCKED** NoGS **1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH TRICYCLODECANEDIMETHANOL, MIXED BIS(ACRYLATES AND METHACRYLATES)** NoGS **FERRIC OXIDE** BM-2 | **CAN** **IRON OXIDE** LT-UNK | **CAN** **FERRIC OXIDE YELLOW** LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Percentage (%) ranges for ingredients are used as a means of keeping the exact formulations proprietary.

**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: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-01-18

PUBLISHED DATE: 2019-06-14

EXPIRY DATE: 2022-01-18



# Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

## IMPRESSA

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present in the product at or above the reporting threshold.

OTHER PRODUCT NOTES:

### LINSEED OIL

ID: 8001-26-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-18

#: 20.60 GS: NoGS RC: None NANO: No ROLE: Binder

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

SUBSTANCE NOTES:

### CELLULOSE PULP (CELLULOSE PULP (SC: WOOD FLOUR))

ID: 65996-61-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-18

#: 20.60 GS: NoGS RC: PreC NANO: No ROLE: Filler

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

SUBSTANCE NOTES: Category = Tree-based materials – wood planks/strips/pieces, bark, wood chips, and other wood products. 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. Cellulose is mix of different species of wood. The specific brand name that Forbo Flooring Systems uses in Marmoleum is Lignocel C 120. LIGNOCEL® C 120 is not classified as dangerous according to directive 67/548/EEC, directive 1999/45/EC and regulation 1272/2008 (CLP). Information pertaining to special dangers for human and environment: Adverse physiochemical effects: Capable of causing dust explosions. Adverse human health effects and symptoms: N/A Adverse environmental effects: N/A Other adverse hazards: Substance is combustible. Substance related information: EC-No: N/A INDEX-NO: N/A REACH Registration No: N/A Purity: 100 % Synonyms: N/A Stabilizers: N/A Hazardous Impurities: N/A

### ALUMINA TRIHYDRATE

ID: 21645-51-2

%: **15.50 - 21.50**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Fire Retardant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**RESPIRATORY****AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced**

SUBSTANCE NOTES:

**TALL OIL**ID: **8002-26-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-01-18**%: **11.60**GS: **LT-P1**RC: **PreC**NANO: **No**ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**RESPIRATORY****AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced****MULTIPLE****German FEA - Substances Hazardous to Waters****Class 2 - Hazard to Waters****SKIN SENSITIZE****MAK****Sensitizing Substance Sh - Danger of skin sensitization**

SUBSTANCE NOTES:

**LIMESTONE, CALCIUM CARBONATE**ID: **1317-65-3**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-01-18**%: **8.60**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

**GUM ROSIN**ID: **8050-09-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-01-18**%: **4.60**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**SKIN SENSITIZE****EU - GHS (H-Statements)****H317 - May cause an allergic skin reaction****SKIN SENSITIZE****MAK****Sensitizing Substance Sh - Danger of skin sensitization**

SUBSTANCE NOTES:

**POLYETHYLENE TEREPHTHALATE (PET)**

ID: 25038-59-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-01-18**

%: <b>3.80</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Backing</b>
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-01-18**

%: <b>2.60 - 8.60</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Pigment</b>
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The titanium dioxide (TiO<sub>2</sub>) is bound within the product, requiring no further labeling. Identified on the US EPA Safer Chemical Ingredient List. Form-specific hazards: airborne particles of respirable size – occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including those with Form-Specific Hazards such as Titanium Dioxide. This HPD will be updated as appropriate when these guidelines become available. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was "determined to be Benchmark 2 using the full GS (GreenScreen) method" [hpdrepository.hpd-collaborative.org](http://hpdrepository.hpd-collaborative.org) HPD v2.1 created via HPDC Builder Page 2 of 12 (<http://ow.ly/Z5ken>).

**POLYURETHANE FOAMS**

ID: 9009-54-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-01-18**

%: <b>0.30</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Finish</b>
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Finish contains no Isocyanates.

**2-OXEPANONE, POLYMER WITH 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND 5-ISOCYANATO-1-(ISOCYANATOMETHYL)-1,3,3-TRIMETHYLCYCLOHEXANE, 2-HYDROXYETHYL ACRYLATE-BLOCKED**

ID: 68987-79-1

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

HAZARD SCREENING DATE: **2019-01-18**

#: **0.10 - 4.44**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Finish**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The product does not contain unreacted ('free') isocyanates.**

**1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH TRICYCLODECANEDIMETHANOL, MIXED BIS(ACRYLATES AND METHACRYLATES)**

ID: 921213-39-0

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

HAZARD SCREENING DATE: **2019-01-18**

#: **0.10 - 4.44**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Finish**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Finish contains no Isocyanates.**

**FERRIC OXIDE**

ID: 1309-37-1

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

HAZARD SCREENING DATE: **2019-01-18**

#: **0.10 - 0.93**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

**IRON OXIDE**

ID: 1317-61-9

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

HAZARD SCREENING DATE: **2019-01-18**

#: **0.10 - 0.93**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

**FERRIC OXIDE YELLOW**

ID: **51274-00-1**

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

HAZARD SCREENING DATE: **2019-01-18**

#: **0.10 - 0.93**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

### VOC EMISSIONS

### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **Berkeley**

APPLICABLE FACILITIES: **All**

**10-31**

**Analytical**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

### FORBO T 940 ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Standard recommended adhesive used for installation.

### FORBO SUSTAIN 885M ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used for installation.

### FORBO SUSTAIN 1195 ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used with installation.

### FORBO SUSTAIN 1299 ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used with installation.

### FORBO 660 ADHESIVE (VOC 12.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used with installation.

### FORBO ADHESIVE REMOVER

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for adhesive residue removal post installation.

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### NEUTRAL PH CLEANER

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for routine cleaning.

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### READY TO USE NEUTRAL PH CLEANER

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for routine cleaning.

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### HEAVY DUTY CLEANER

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

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### FORBO MOP ON RESTORER

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

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### FORBO SPRAY BUFF

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

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### FORBO MATTE FINISH

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

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### FORBO GLOSS FINISH

HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

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### FORBO WALL BASE

HPD URL: <http://www.forboflooringna.com>

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used with Impresa installation using the recommended adhesive.

## Section 5: General Notes

Impresa contains no Isocyanates.





## MANUFACTURER INFORMATION

MANUFACTURER: **Forbo Flooring Systems**

ADDRESS: **www.forboflooringna.com**

**Hazle Township PA 18202, United States**

WEBSITE: **www.forboflooringna.com**

CONTACT NAME: **Shannon Wolski-Konecnik**

TITLE: **Product Support and Education Services Administrator**

PHONE: **570-450-0319**

EMAIL: **shannon.wolski@forbo.com**

## KEY

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet

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

### Hazard Types

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

### Recycled Types

**PreC** Preconsumer (Post-Industrial)

**PostC** Postconsumer

**Both** Both Preconsumer and Postconsumer

**Unk** Inclusion of recycled content is unknown

**None** Does not include recycled content

### Other Terms

#### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material

**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product

**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**Applicable facilities** Manufacturing sites to which testing applies

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

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

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

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

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