Marmoleum Striato Sheet
by Forbo Flooring Systems

SCREENING DATE: 2026-03-30
PUBLISHED DATE: 2026-03-30
EXPIRY DATE: 2029-03-30
PREPARER: Self-Prepared

Health Product Declaration v3.0
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 228246239232
HPD UNIQUE PRODUCT ID: Extensive list provided, see Section 5 General Notes for complete list.
CLASSIFICATION: 09 65 16 Resilient Sheet Flooring
PRODUCT TYPE: Linoleum Sheet Flooring (Resilient)
PRODUCT DESCRIPTION: Forbo Marmoleum Sheet Striato is a homogeneous 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 natural jute backing. Topshield is a high-performance finish. Its double UV cured double layer technology delivers extraordinary performance and clear and vibrant colors that remain over time. Topshield creates a 'ready to use' Marmoleum that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use. Gauge - 2.0mm (0.080") to 2.5mm (1/10"); Width - 79" (2m); Length - 105'; Roll Size - 77 square yards.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
→ Basic Method

Threshold Disclosed Per
→ Product

Threshold Level
→ 100 ppm

Residuals/Impurities Evaluation
→ Not Completed

Explanation(s) provided :
Yes

For all contents above the threshold, the manufacturer has:

Characterized Yes
Provided weight and role.

Screened Yes
Provided screening results using HPDC-approved methods.

Identified Yes
Provided name and CAS RN or other 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.

PRODUCT | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY* GREENSCREEN SCORE | HAZARD TYPE

MARMOLEUM STRIATO SHEET [LINSEED OIL NoGS **PSYLLIUM HEMICELLULOSE (WOOD FLOUR)** NoGS **LIMESTONE (CALCIUM CARBONATE)** BM-3dg **PSYLLIUM HEMICELLULOSE (JUTE FELT)** NoGS **GUM ROSIN** LT-P1 | SKI | MAM | AQU | REP | RES **MAGNESIUM OXIDE** BM-3dg | CAN | MAM **CARBON BLACK (PIGMENT BLACK 7)** BM-1 * | CAN | EYE | MAM | PHY **PIGMENT YELLOW 180** LT-UNK **TITANIUM DIOXIDE** BM-1 * | CAN | END | MAM **TOPSHIELD PRO (POLYESTER ACRYLATE)** LT-UNK **TOPSHIELD PRO (URETHANE ACRYLATE)** NoGS]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... Yes

INVENTORY AND SCREENING NOTES:

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

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

PFAS DETAILS:

This product does not contain intentionally added PFAS, but it is unknown if PFAS is contained in materials or substances from suppliers.

Attestation:

J.S. Miller

2026-03-11

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: ClearChem Standard BkA-CC-01.3
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

Material Ingredients: ILFI Declare - LBC Red List Free
LCA: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4.1 Option 1.
Pre-checked for LEED v5 Human Health 1.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

MARMOLEUM STRIATO SHEET

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: 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 DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:40:58**

%: **30.0000 - 33.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

PSYLLIUM HEMICELLULOSE (WOOD FLOUR) ID: 9034-32-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:40:59**

%: **25.0000 - 32.0000** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The wood flour used in the manufacture of Marmoleum is a bio-based post-industrial waste product. Only PEFC certified wood flour is used in the manufacture of Marmoleum.

LIGNIN (WOOD FLOUR) ID: 9005-53-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:40:59**

%: **25.0000 - 32.0000 ALT** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The wood flour used in the manufacture of Marmoleum is a bio-based post-industrial waste product. Only PEFC certified wood flour is used in the manufacture of Marmoleum.

ALTERNATE: This substance is an alternate substance to Psyllium hemicellulose (Wood Flour).

LIMESTONE (CALCIUM CARBONATE)

ID: **1317-65-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:00**

%: **16.0000 - 20.0000** GreenScreen: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

PSYLLIUM HEMICELLULOSE (JUTE FELT)

ID: **9034-32-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:00**

%: **8.0000 - 10.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

LIGNIN (JUTE FELT)

ID: **9005-53-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:40:59**

%: **8.0000 - 10.0000 ALT** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Psyllium hemicellulose (Jute Felt).

PECTIN (JUTE FELT)

ID: **9000-69-5**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:00**

%: **8.0000 - 10.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Psyllium hemicellulose (Jute Felt).

GUM ROSIN

ID: **8050-09-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:00**

%: **6.0000 - 8.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 2
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
RES	GHS - Japan	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

MAGNESIUM OXIDE

ID: **1309-48-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:01**

%: **2.0000 - 4.0000** GreenScreen: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

CARBON BLACK (PIGMENT BLACK 7)

ID: **1333-86-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:02**

%: **2.0000 - 4.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	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**
EYE	GHS - New Zealand	Eye irritation category 2**
CAN	GHS - New Zealand	Carcinogenicity category 2**
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
PHY	GHS - Japan	H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]**

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

PIGMENT BLACK 11

ID: **1317-61-9**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:01**

%: **2.0000 - 4.0000 ALT** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.
**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

PIGMENT BLUE 15.0

ID: **147-14-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:02**

%: **2.0000 - 4.0000 ALT** GreenScreen: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT BLUE 15.1

ID: **147-14-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:03**

%: **2.0000 - 4.0000 ALT** GreenScreen: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT RED 101

ID: **1309-37-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:03**

%: **2.0000 - 4.0000 ALT** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]**

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.
**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

PIGMENT RED 48:2

ID: **7023-61-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:04**

%: **2.0000 - 4.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT RED 220

ID: **57971-99-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:01**

%: **2.0000 - 4.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT RED 170

ID: **2786-76-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:02**

%: **2.0000 - 4.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT ORANGE 34

ID: **15793-73-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:03**

%: **2.0000 - 4.0000 ALT** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT YELLOW 42

ID: **51274-00-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:04**

%: **2.0000 - 4.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.
**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

PIGMENT YELLOW 83

ID: **5567-15-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:04**

%: **2.0000 - 4.0000 ALT** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
EYE	GHS - New Zealand	Eye irritation category 2
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Pigment Yellow 180.

PIGMENT YELLOW 180

ID: **77804-81-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:02**

%: **2.0000 - 4.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: **13463-67-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:03**

%: **2.0000 - 4.0000** GreenScreen: **BM-1** RC: **None** NANO: **Yes** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	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	IARC	Group 2b - Possibly carcinogenic to humans**
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

SUBSTANCE NOTES: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

TOPSHIELD PRO (POLYESTER ACRYLATE)

ID: **73378-73-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:03**

%: **0.0000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

TOPSHIELD PRO (URETHANE ACRYLATE)

ID: **68987-79-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-03-30 13:41:04**

%: **0.0000 - 1.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

Section 3: 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	ClearChem Standard BkA-CC-01.3	
COMPLIANCE TYPE: Self-declaration **CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:** Berkeley Analytical **COMPLIANCE DETAILS:** **COMPLIANCE SCOPE:** Product **APPLICABLE FACILITIES:** Classroom & Office **COMPLIANCE URL:** https://clearchem.berkeleyanalytical.com/clearchem-declared/forbo-flooring-systems **COMPLIANCE NOTES:**	**ISSUE DATE:** 2025-05-15	**EXPIRY DATE:** 2028-05-15

VOC EMISSIONS	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario	
COMPLIANCE TYPE: Third-party certification **CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:** Berkeley Analytical **COMPLIANCE DETAILS:** **COMPLIANCE SCOPE:** Product **APPLICABLE FACILITIES:** Classroom & Office **COMPLIANCE URL:** https://clearchem.berkeleyanalytical.com/clearchem-declared/forbo-flooring-systems **COMPLIANCE NOTES:**	**ISSUE DATE:** 2025-05-15	**EXPIRY DATE:** 2028-05-15

MATERIAL INGREDIENTS	ILFI Declare - LBC Red List Free	
COMPLIANCE TYPE: Self-declaration **CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:** ILFI **COMPLIANCE DETAILS:** **COMPLIANCE SCOPE:** Product **APPLICABLE FACILITIES:** All **COMPLIANCE URL:** https://www.forbo.com/flooring/en-ca/sustainability/p6vd8q **COMPLIANCE NOTES:**	**ISSUE DATE:** 2025-07-01	**EXPIRY DATE:** 2026-07-01

LCA	Environmental Product Declaration (EPD) by UL	
COMPLIANCE TYPE: Third-party certification **CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:** UL Environment **COMPLIANCE DETAILS:** **COMPLIANCE SCOPE:** Product **APPLICABLE FACILITIES:** All **COMPLIANCE URL:** https://www.forbo.com/flooring/en-ca/sustainability/p6vd8q **COMPLIANCE NOTES:**	**ISSUE DATE:** 2024-07-15	**EXPIRY DATE:** 2029-07-15

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 SUSTAIN 1195 ADHESIVE
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Adhesive
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Sustain 1195 is the standard recommended adhesive for Marmoleum Striato Sheet installations. Refer to Forbo's Sustain 1195 Technical Data Sheet for full installation recommendations and requirements.

FORBO SUSTAIN 100 ADHESIVE
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Adhesive
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Sustain 100 can be used as an alternate adhesive for Marmoleum Striato Sheet installations. Refer to Forbo's Sustain 100 Technical Data Sheet for full installation recommendations and requirements.

FORBO 660 ADHESIVE
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Adhesive
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo 660 can be used as an alternate adhesive for Forbo Marmoleum Striato Sheet installations. Refer to Forbo's 660 Technical Data Sheet for full installation recommendations and requirements.

FORBO ARMORCOVE
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo ArmorCove is the recommended coving system for use with Forbo Marmoleum Striato Sheet. It is a fully integrated coving system that is comprised of a 1-piece aluminum cove-former, full vertical backing and cap, with Marmoleum as the finished surface. It is puncture-proof and water resistant. Refer to Forbo's ArmorCove Technical Data Sheet for full installation recommendations and requirements.

FORBO MARMOWELD ETU
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Marmoweld ETU is the preferred method of welding seams where seamless or monolithic flooring is required. Marmoweld ETU is a color matching paste weld which can also be used to make minor repairs in Forbo Marmoleum products. Refer to Forbo's Marmoweld ETU Technical Data Sheet for full installation recommendations and requirements.

FORBO MARMOLEUM SECOND LIFE
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Maintenance Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Marmoleum Second Life is a unique two-part, field- applied coating that can restore the surface of old, worn or improperly maintained Forbo Marmoleum. Refer to Forbo's Marmoleum Second Life Application Guidelines for full installation recommendations and requirements.

FORBO ADHESIVE REMOVER
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Cleaning Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Adhesive Remover is a recommended cleaning product for use with Forbo Marmoleum Striato Sheet.

FORBO NEUTRAL PH CLEANER
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Cleaning Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Neutral pH Cleaner is a recommended cleaning product for use with Forbo Marmoleum Striato Sheet.

FORBO HEAVY DUTY CLEANER
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Cleaning Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Heavy Duty Cleaner is a recommended cleaning product for use with Forbo Marmoleum Striato Sheet.

FORBO MATTE FLOOR FINISH
MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available
ACCESSORY TYPE: Maintenance Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Matte Floor Finish is an optional maintenance product for use with Forbo Marmoleum Sheet.

Section 5: General Notes

Marmoleum Striato Sheet is USDA Certified BioBased (100%), Declare Red List Free, and is free of PVC, PET, synthetic rubber, and plasticizers. Only PEFC certified wood flour is used in the manufacture of Marmoleum. Every square meter of Marmoleum Striato Sheet is climate positive cradle to gate without offsetting, is inherently biodegradable, and is manufactured with 100% renewable energy. Marmoleum's 30+ year system service life makes it a more sustainable alternative to shorter-lived products. Product lines that fall under the category of Marmoleum Striato Sheet are the following: Marmoleum Linear (Striato).

HPD UNIQUE PRODUCT ID: US-74-125650, US-74-125663, US-74-125664, US-74-134692, US-74-134696, US-74-134698, US-74-168229, US-74-168230, US-74-168243, US-74-168244, US-74-175029, US-74-175030, US-74-175042, US-74-175045, US-74-175049, US-74-175050, US-74-175326, US-74-186542, US-74-194007, US-74-218343, US-74-224108, US-74-224109, US-74-224110, US-74-224132, US-74-224133, US-74-224134, US-74-224135, US-74-234363, US-74-83110, US-74-83111, US-74-83113

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Forbo Flooring Systems**
ADDRESS: **8 Maplewood Drive**
Hazleton, Pennsylvania 18202
COUNTRY: **United States**

WEBSITE: **www.forboflooringNA.com**
CONTACT NAME: **Jeff Miller**
TITLE: **Sustainability & Documentation Administrator**
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The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

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

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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 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.