

# MedinPure™ with Diamond 10® Technology Coating - PVC-Free Homogeneous Sheet Flooring by Armstrong Flooring, Inc.

## Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 09 65 00

PRODUCT DESCRIPTION: MedinPure™ with Diamond 10® Technology coating is a PVC-free homogeneous vinyl sheet alternative that integrates science, technology, and design to advance quality of care in healing environments. The MedinPure palette, full of aqueous blues, vibrant greens, and complementary tones, invokes a sense of calm through its intentional design that draws on biophilic inspiration.

### 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**

**MEDINPURE™ WITH DIAMOND 10® TECHNOLOGY COATING - PVC-FREE HOMOGENEOUS SHEET FLOORING** [ 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH DIMETHYL 1,4-BENZENEDICARBOXYLATE, 2,2-DIMETHYL-1,3-PROPANEDIOL, 1,2-ETHANEDIOL AND NONANEDIOIC ACID **NoGS** ALUMINUM HYDROXIDE **BM-2** 1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,4-BUTANEDIOL AND α-HYDRO-ω-HYDROXPOLY(OXY-1,4-BUTANEDIYL) **LT-UNK** ALUMINUM PHENYLPHOSPHINATE **NoGS** BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED **LT-UNK** MELAMINE POLYPHOSPHATE, (AVERAGE MW 600 TO 20000 G/MOL) **LT-UNK** CALCIUM CARBONATE **BM-3** 2,5-FURANDIONE, POLYMER WITH ETHENE **LT-UNK** WHITE MINERAL OIL (PETROLEUM) **LT-UNK** AMINOPROPYL TERMINATED POLYDIMETHYL SILOXANE **NoGS** BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, 2,2-BIS[[3-[3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL]-1-OXOPROPOXY]METHYL]-1,3-PROPANEDIYL ESTER **LT-UNK** MALEIC ANHYDRIDE **LT-P1** | RES | SKI | EYE | MAM OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS- **LT-UNK** UV-328 **LT-1** | PBT | MUL FATTY ACIDS, C16-18, POLYMERS WITH ADIPIC ACID AND PENTAERYTHRITOL **NoGS** PENTAERYTHRITOL TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE) **NoGS** CHIMASSORB 2020 **NoGS** BUTANEDIOIC ACID, DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL **LT-UNK** HYDRATED SILICA **LT-UNK** METHYL DI-T-BUTYL HYDROXYHYDROCINNAMATE **LT-P1** | MUL WATER **BM-4** ETHYLENEDIAMINE **LT-UNK** | RES | SKI | MAM STEARIC ACID **LT-P1** | END ALUMINUM OXIDE **BM-2** | RES *AMORPHOUS SILICA* **BM-1** | CAN BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, OCTADECYL ESTER **LT-P1** MAGNESIUM OXIDE (MGO) **LT-UNK** | CAN POLYETHYLENE **LT-UNK** ]

Number of Greenscreen BM-4/BM3 contents ... 2

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

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 100 ppm.

#### 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: FloorScore

LCA: Environmental Product Declaration (EPD) by ASTM

Other: ILFI Declare - Red List Free - Third Party Verified

#### 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: 2020-05-15

PUBLISHED DATE: 2020-05-15

EXPIRY DATE: 2023-05-15

## 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)

### MEDINPURE™ WITH DIAMOND 10® TECHNOLOGY COATING - PVC-FREE HOMOGENEOUS SHEET FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED:  
Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 100 ppm.

OTHER PRODUCT NOTES: For more information on this product visit: <https://www.armstrongflooring.com/commercial/en-us/products/hom/medinpure.html>

#### 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH DIMETHYL 1,4-BENZENEDICARBOXYLATE, 2,2-DIMETHYL-1,3-PROPANEDIOL, 1,2-ETHANEDIOL AND NONANEDIOIC ACID

ID: 75701-44-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 30.00 - 35.00

GS: NoGS

RC: None

NANO: Unknown

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Binder

#### ALUMINUM HYDROXIDE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 25.00 - 30.00

GS: BM-2

RC: None

NANO: Unknown

ROLE: Flame Retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Flame retardant filler

#### 1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,4-BUTANEDIOL AND $\alpha$ -HYDRO- $\omega$ -HYDROXYPOLY(OXY-1,4-BUTANEDIYL)

ID: 37282-12-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 5.00 - 10.00

GS: LT-UNK

RC: None

NANO: Unknown

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Binder

#### ALUMINUM PHENYLPHOSPHINATE

ID: 25070-21-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: <b>5.00 - 10.00</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Additive</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>None found</b>		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: <b>Additive</b>				

**BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED** ID: **66070-58-4**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-15</b>		
%: <b>5.00 - 10.00</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Binder</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>None found</b>		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: <b>Binder component</b>				

**MELAMINE POLYPHOSPHATE, (AVERAGE MW 600 TO 20000 G/MOL)** ID: **218768-84-4**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-15</b>		
%: <b>5.00 - 10.00</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Additive</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>None found</b>		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: <b>Product additive</b>				

**CALCIUM CARBONATE** ID: **471-34-1**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-15</b>		
%: <b>3.00 - 5.00</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Filler</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>None found</b>		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: <b>Limestone filler</b>				

**2,5-FURANDIONE, POLYMER WITH ETHENE** ID: **9006-26-2**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-15</b>		
%: <b>1.00 - 5.00</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Binder</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
<b>None found</b>		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: <b>Binder component</b>				

**WHITE MINERAL OIL (PETROLEUM)** ID: **8042-47-5**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-15</b>		
%: <b>1.00 - 5.00</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Binder</b>

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

SUBSTANCE NOTES: Binder component

**AMINOPROPYL TERMINATED POLYDIMETHYL SILOXANE**

ID: 106214-84-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.50 - 1.00** GS: **NoGS** RC: **None** NANO: **Unknown** ROLE: **Additive**

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

SUBSTANCE NOTES: Product additive

**BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, 2,2-BIS[[3-[3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL]-1-OXOPROPOXY]METHYL ]-1,3-PROPANEDIYL ESTER**

ID: 6683-19-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.50 - 1.00** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **Stabilizier**

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

SUBSTANCE NOTES: Stabilizier

**MALEIC ANHYDRIDE**

ID: 108-31-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.50 - 1.00** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Binder component

**OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS-**

ID: 110-30-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-15**

%: **0.50 - 1.00** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **Stabilizier**

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

SUBSTANCE NOTES: Stabilizier

**UV-328** ID: 25973-55-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.50 - 1.00	GS: LT-1	RC: None	NANO: Unknown	ROLE: Stabilizier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
PBT	EU - SVHC Authorisation List	PBT - Candidate list		
PBT	EU - SVHC Authorisation List	PBT - Prioritized for listing		
PBT	EU - SVHC Authorisation List	vPvB - Candidate list		
PBT	EU - SVHC Authorisation List	vPvB - Prioritized for listing		
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Substance of Possible Concern		
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
PBT	EU - SVHC Authorisation List	PBT - Banned unless Authorised		
PBT	EU - SVHC Authorisation List	vPvB - Banned unless Authorised		

SUBSTANCE NOTES: Stabilizier

**FATTY ACIDS, C16-18, POLYMERS WITH ADIPIC ACID AND PENTAERYTHRITOL** ID: 118577-81-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.50 - 1.00	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: Binder component

**PENTAERYTHRITOL TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE)** ID: 84633-54-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.10 - 0.50	GS: NoGS	RC: None	NANO: Unknown	ROLE: Stabilizier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Stabilizer

**CHIMASSORB 2020** ID: 192268-64-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.10 - 0.50	GS: NoGS	RC: None	NANO: Unknown	ROLE: Stabilizer

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

**BUTANEDIOIC ACID, DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL** ID: 65447-77-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.10 - 0.50	GS: LT-UNK	RC: None	NANO: Unknown	ROLE: Stabilizer
SUBSTANCE NOTES: Stabilizer				

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

**HYDRATED SILICA** ID: 10279-57-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.10 - 0.50	GS: LT-UNK	RC: None	NANO: Unknown	ROLE: Additive
SUBSTANCE NOTES: Additive				

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

**METHYL DI-T-BUTYL HYDROXYHYDROCINNAMATE** ID: 6386-38-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.10 - 0.50	GS: LT-P1	RC: None	NANO: No	ROLE: Stabilizer
SUBSTANCE NOTES: Stabilizer component				

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES: Stabilizer component		

**WATER** ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.01 - 0.20	GS: BM-4	RC: None	NANO: Unknown	ROLE: Binder
SUBSTANCE NOTES: Binder component				

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Binder component		

**ETHYLENEDIAMINE** ID: 107-15-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.01 - 0.05	GS: LT-UNK	RC: None	NANO: Unknown	ROLE: Stabilizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: Stabilizier

### STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.01 - 0.05	GS: LT-P1	RC: None	NANO: Unknown	ROLE: Stabilizier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		

SUBSTANCE NOTES: Stabilizier

### ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.00 - 0.10	GS: BM-2	RC: None	NANO: Unknown	ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		

SUBSTANCE NOTES: Filler component

### AMORPHOUS SILICA

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: Impurity/Residual	GS: BM-1	RC: None	NANO: Unknown	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	GHS - Australia	H350i - May cause cancer by inhalation		
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]		

SUBSTANCE NOTES: Naturally occurring impurity

### BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, OCTADECYL ESTER

ID: 2082-79-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-15		
%: 0.00 - 0.10	GS: LT-P1	RC: None	NANO: Unknown	ROLE: Processing aid

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

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

SUBSTANCE NOTES: **Processing aid**

### MAGNESIUM OXIDE (MGO)

ID: 1309-48-4

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

HAZARD SCREENING DATE: **2020-05-15**

%: <b>0.00 - 0.10</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Filler</b>
-----------------------	-------------------	-----------------	----------------------	---------------------

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

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

SUBSTANCE NOTES: **Filler component**

### POLYETHYLENE

ID: 9002-88-4

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

HAZARD SCREENING DATE: **2020-05-15**

%: <b>0.00 - 0.10</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b>	ROLE: <b>Binder</b>
-----------------------	-------------------	-----------------	----------------------	---------------------

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

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

SUBSTANCE NOTES: **Binder**



## 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

### FloorScore

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Wujiang,PRC**  
CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/ArmstrongFlooring\\_2019\\_SCS-FS-01635\\_s3.pdf](https://www.scs-certified.com/products/cert_pdfs/ArmstrongFlooring_2019_SCS-FS-01635_s3.pdf)

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2019-09-01**  
EXPIRY DATE: **2020-08-31**

CERTIFIER OR LAB: **SCS Global Services**

### LCA

### Environmental Product Declaration (EPD) by ASTM

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Wujiang, China**  
CERTIFICATE URL:

<https://www.armstrongflooring.com/pdbupimages-flr/221527.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2020-04-15**  
EXPIRY DATE: **2025-04-15**  
CERTIFIER OR LAB: **ASTM International**

### OTHER

### ILFI Declare - Red List Free - Third Party Verified

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Wujiang, China**  
CERTIFICATE URL: <https://declare.living-future.org/>

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2020-05-15**  
EXPIRY DATE: **2021-05-15**  
CERTIFIER OR LAB: **WAP Sustainability**

## 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.

### ADHESIVES RECOMMENDED FOR INSTALLATION

HPD URL: **no hpd available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Full Spread Adhesives: S-799, S-1000, S-580 & S-240 Seams – Heat Weld with PVC-Free Weld Rods or S-761 Seam Adhesive

### ADHESIVES AND SEAM SOLUTIONS FOR INSTALLATION

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Adhesives and seam solutions recommended for installation include the following: Full Spread Adhesives: S-799, S-1000, S-580 & S-240 (Note: S799 is Cradle to Cradle Material Health Certified Gold) Seams – Heat Weld with PVC-Free Weld Rods or S-761 Seam Adhesive For more information see: [www.armstrongflooring.com](http://www.armstrongflooring.com)

## Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information Armstrong Flooring expresses no opinion and makes no representations as to the applicability suitability accuracy or completeness of the declaration form or the standards rules classifications warnings or criteria utilized or referenced therein. Information herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at [www.armstrongflooring.com](http://www.armstrongflooring.com) as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong

Flooring website for more information on this product.

MANUFACTURER INFORMATION

MANUFACTURER: Armstrong Flooring, Inc.
ADDRESS: No. 683, Yuexiu Road
FOHO New & Hi-Tech Industrial Development Zone
Wujiang Jiang Su Province 215211, China
WEBSITE: www.armstrongflooring.com

CONTACT NAME: TechLine
TITLE: Customer Service
PHONE: 1-888-276-7876
EMAIL: fpotechline@armstrongflooring.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.