

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

Health Product
Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 25642
CLASSIFICATION: 09 65 16.43 PVC-Free Sheet Flooring
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: SummaryBasic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	All Substances Above the Threshold Indicated Are: Characterized % weight and role provided for all substances. Screened One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance. Identified One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.
☐ Nested Materials Method	☒ 100 ppm	☒ Considered	
☒ Basic Method	☐ 1,000 ppm	☐ Partially Considered	
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Considered	
☐ Material	☐ Other	Explanation(s) provided for Residuals/Impurities?	
☒ Product		☒ Yes ☐ No	

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-HYDROXYPOLY(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 FATTY ACIDS, C16-18, POLYMERS WITH ADIPIC ACID AND PENTAERYTHRITOL NoGS UV-328 LT-1 | MUL | PBT OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS- LT-UNK MALEIC ANHYDRIDE LT-P1 | RES | SKI | EYE | MAM 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 METHYL DI-T-BUTYL HYDROXYHYDROCINNAMATE LT-P1 | MUL CHIMASSORB 2020 NoGS PENTAERYTHRITOL TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE) NoGS HYDRATED SILICA LT-UNK BUTANEDIOIC ACID, DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL LT-UNK ETHYLENEDIAMINE LT-UNK | RES | MAM | SKI STEARIC ACID LT-P1 | END WATER BM-4 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

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
No pre-checks completed or disclosed

Third Party Verified?
☐ Yes
☒ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-08-10
PUBLISHED DATE: 2021-08-10
EXPIRY DATE: 2024-08-10

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.hpd-collaborative.org/hpd-2-2-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: **2021-08-10 11:48:04**

%: **30.0000 - 35.0000**

GS: **NoGS**

RC: **None**

NANO: **Unknown**

SUBSTANCE 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: **2021-08-10 11:48:04**

%: **25.0000 - 30.0000**

GS: **BM-2**

RC: **None**

NANO: **Unknown**

SUBSTANCE 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 α-HYDRO-ω-HYDROXYPOLY(OXY-1,4-BUTANEDIYL)

ID: **37282-12-5**

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

HAZARD SCREENING DATE: **2021-08-10 11:48:05**

%: **5.0000 - 10.0000**

GS: **LT-UNK**

RC: **None**

NANO: **Unknown**

SUBSTANCE 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: 2021-08-10 11:48:05			
%: 5.0000 - 10.0000		GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Additive					

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:06			
%: 5.0000 - 10.0000		GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Binder component					

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:06		
%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Product additive				

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:07			
%: 3.0000 - 5.0000		GS: BM-3	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Limestone filler					

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:07			
%: 1.0000 - 5.0000		GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Binder component					

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:08		
%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
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: 2021-08-10 11:48:10		
%: 0.5000 - 1.0000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Product additive				

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: 2021-08-10 11:48:08		
%: 0.5000 - 1.0000	GS: NoGS	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: Binder component				

UV-328

ID: 25973-55-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-10 11:48:09	
%: 0.5000 - 1.0000	GS: LT-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Heat or UV stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
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)	
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	EU - SVHC Authorisation List		PBT - Banned unless Authorised	
PBT	EU - SVHC Authorisation List		vPvB - Banned unless Authorised	

SUBSTANCE NOTES: Stabilizier

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

ID: 110-30-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:09		
%: 0.5000 - 1.0000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
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: 2021-08-10 11:48:10			
%: 0.5000 - 1.0000		GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced		
RES	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization		
SKI	EU - GHS (H-Statements)		H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]		
SKI	EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]		
EYE	EU - GHS (H-Statements)		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]		
MAM	EU - GHS (H-Statements)		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]		
RES	EU - GHS (H-Statements)		H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]		
SUBSTANCE NOTES: Binder component					

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: 2021-08-10 11:48:08		
%: 0.5000 - 1.0000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Stabilizier				

METHYL DI-T-BUTYL HYDROXYHYDROCINNAMATE

ID: 6386-38-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:13		
---	--	---	--	--

%: 0.1000 - 0.5000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
MUL		German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SUBSTANCE NOTES: Stabilzier component					

CHIMASSORB 2020

ID: 192268-64-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:12		
%: 0.1000 - 0.5000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Stabilizer				

PENTAERYTHRITOL TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE)

ID: 84633-54-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:12		
%: 0.1000 - 0.5000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: 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: 2021-08-10 11:48:11		
%: 0.1000 - 0.5000		GS: LT-UNK		RC: None NANO: Unknown SUBSTANCE ROLE: Processing regulator
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Additive				

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: 2021-08-10 11:48:11		
%: 0.1000 - 0.5000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Stabilizier				

ETHYLENEDIAMINE				ID: 107-15-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:13		
%: 0.0100 - 0.0500	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
RES	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization	
MAM	US EPA - EPCRA Extremely Hazardous Substances		Extremely Hazardous Substances	
SKI	EU - GHS (H-Statements)		H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]	
SKI	EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]	
RES	EU - GHS (H-Statements)		H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]	
SUBSTANCE NOTES: Stabilizier				

STEARIC ACID					ID: 57-11-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-10 11:48:14		
%: 0.0100 - 0.0500		GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
END		TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
SUBSTANCE NOTES: Stabilizier					

WATER					ID: 7732-18-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-10 11:48:14		
%: 0.0100 - 0.2000		GS: BM-4	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Binder component					

AMORPHOUS SILICA				ID: 7631-86-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:15		
%: Impurity/Residual	GS: BM-1	RC: None	NANO: Unknown	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: 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: 2021-08-10 11:48:15		
%: 0.0000 - 0.1000	GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Processing regulator
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: 2021-08-10 11:48:16		
%: 0.0000 - 0.1000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	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: 2021-08-10 11:48:16		
%: 0.0000 - 0.1000	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Binder				

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 11:48:16		
%: 0.0000 - 0.1000	GS: BM-2	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
SUBSTANCE NOTES: Filler component				

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_2020_SCS-FS-01635_s.pdf CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2020-09-01	EXPIRY DATE: 2021-08-31	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/products/medinpure-with-diamond-10-technology-coating CERTIFICATION AND COMPLIANCE NOTES: 3rd party certified as Red List Free	ISSUE DATE: 2021-06-30	EXPIRY DATE: 2022-07-01	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 AND SEAM SOLUTIONS FOR INSTALLATION	HPD URL: https://hpdrepository.hpd-collaborative.org/repository/HPDs/235_PVC_Free_Weld_Rods.pdf
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	

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 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**

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.