

HPD UNIQUE IDENTIFIER: 26309

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: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

| | | | |
|--|--|--|---|
| <p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p> | <p>Threshold Level</p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p> | <p>Residuals/Impurities</p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> | <p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and Identifier.</i></p> |
|--|--|--|---|

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™ PVC-FREE HOMOGENEOUS SHEET FLOORING [POLYURETHANE FOAMS LT-UNK CALCIUM CARBONATE BM-3 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 ALUMINUM HYDROXIDE BM-2 2,5-FURANDIONE, POLYMER WITH ETHENE LT-UNK WHITE MINERAL OIL (PETROLEUM) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END 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 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 AMINOPROPYL TERMINATED POLYDIMETHYL SILOXANE NoGS 2-NAPHTHALENECARBOXAMIDE, N,N'-(2,5-DICHLORO-1,4-PHENYLENE)BIS(4-(2-(2,5-DICHLOROPHENYL)DIAZENYL)-3-HYDROXY-LT-UNK PIGMENT YELLOW 180 LT-UNK CHIMASSORB 2020 NoGS HYDRATED SILICA LT-UNK BUTANEDIOIC ACID, DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERDINEETHANOL LT-UNK FATTY ACIDS, C16-18, POLYMERS WITH ADIPIC ACID AND PENTAERYTHRITOL NoGS STEARIC ACID LT-P1 | END PENTAERYTHRITOL TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE) NoGS WATER BM-4 MAGNESIUM OXIDE (MGO) BM-3dg | CAN BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, OCTADECYL ESTER LT-P1 AMORPHOUS SILICA BM-1 | CAN SODIUM OXIDE BM-2 FERRIC OXIDE BM-1 | CAN ALUMINUM OXIDE BM-2 | RES]

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 1000 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

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER: SCS Global Services

VERIFICATION #: qGE-10116

SCREENING DATE: 2021-09-30

PUBLISHED DATE: 2021-10-22

EXPIRY DATE: 2024-09-30

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™ PVC-FREE HOMOGENEOUS SHEET FLOORING

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.

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

POLYURETHANE FOAMS

ID: 9009-54-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-10-01 1:05:59

%: 30.0000 - 35.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

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

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-10-01 1:06:00

%: 25.0000 - 30.0000 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

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: 2021-10-01 1:06:01

%: 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: 2021-10-01 1:06:01

%: 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: 2021-10-01 1:06:02 | | |
|---|------------------------|--|----------------------|-------------------------------|
| %: 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: 2021-10-01 1:06:02 | | |
|---|------------------------|--|----------------------|--|
| %: 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 | | | | |

ALUMINUM HYDROXIDE

ID: 21645-51-2

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-10-01 1:06:03 | | |
|---|------------------------|--|----------------------|--|
| %: 5.0000 - 10.0000 | 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 retardent filler | | | | |

2,5-FURANDIONE, POLYMER WITH ETHENE

ID: 9006-26-2

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-10-01 1:06:03 | | |
|---|------------------------|--|----------------------|-------------------------------|
| %: 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: 2021-10-01 1:06:04 | | |
| %: 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 | | |

TITANIUM DIOXIDE

ID: 13463-67-7

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-10-01 1:06:04 | | |
|---|---------------------------------------|--|-----------------|--------------------------------|
| %: 1.0000 - 5.0000 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Pigment |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen | | |
| CAN | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route | | |
| CAN | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources | | |
| CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | | |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels | | |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] | | |

SUBSTANCE NOTES: Titanium dioxide is listed as a hazard in respirable form. Titanium dioxide is not in a respirable form in the final product.

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: 2021-10-01 1:06:06 | | |
|---|------------------------|--|----------------------|-----------------------------------|
| %: 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

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: 2021-10-01 1:06:05 | | |
|---|------------------------|--|-----------------|-------------------------------|
| %: 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

%: **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: **Stabilzier****OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS-**ID: **110-30-5**%: **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: **Stabilzier****AMINOPROPYL TERMINATED POLYDIMETHYL SILOXANE**ID: **106214-84-0**%: **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****2-NAPHTHALENECARBOXAMIDE, N,N'-(2,5-DICHLORO-1,4-PHENYLENE)BIS(4-(2-(2,5-DICHLOROPHENYL)DIAZENYL)-3-HYDROXY-**ID: **40618-31-3**%: **0.1000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES:

PIGMENT YELLOW 180

ID: 77804-81-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-10-01 1:06:08**%: **0.1000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES:

CHIMASSORB 2020

ID: 192268-64-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-10-01 1:06:09**%: **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: **2021-10-01 1:06:08**%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: This mineral impurity is associated with limestone and titanium dioxide.

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: **2021-10-01 1:06:07**%: **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****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: **2021-10-01 1:06:11**%: **0.0400 - 0.0600** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Lubricant**

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

SUBSTANCE NOTES:

STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-10-01 1:06:10**%: **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: 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: **2021-10-01 1:06:10**%: **0.0100 - 0.0300** 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

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-10-01 1:06:11**%: **0.0100 - 0.3000** 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

MAGNESIUM OXIDE (MGO)

ID: 1309-48-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-10-01 1:06:12**%: **0.0000 - 0.3000** GS: **BM-3dg** 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

BENZENPROPANOIC 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: **2021-10-01 1:06:12**%: **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

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-10-01 1:06:13%: **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

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-10-01 1:06:13%: **0.0000 - 0.0076** GS: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

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

SUBSTANCE NOTES:

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-10-01 1:06:14%: **0.0000 - 0.0080** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|--|
| CAN | MAK | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |

SUBSTANCE NOTES:

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-10-01 1:06:14%: **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.scsglobalservices.com/certified-clients/certificates/4159>

ISSUE DATE: 2021-09-01
EXPIRY DATE: 2022-08-31

CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-FS-01635. Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0 Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

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>

ISSUE DATE: 2020-04-15
EXPIRY DATE: 2025-04-15

CERTIFIER OR LAB: ASTM International

CERTIFICATION AND COMPLIANCE NOTES: This environmental product declaration is provided by members of the Resilient Floor Covering Institute (RFCI). This declaration covers a broad range of styles and colors produced by RFCI manufacturers of homogeneous vinyl flooring.

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>

ISSUE DATE: 2021-06-30
EXPIRY DATE: 2022-07-01

CERTIFIER OR LAB: WAP Sustainability

CERTIFICATION AND COMPLIANCE NOTES: 3rd party certified as Red List Free.

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.

PVC-FREE WELD RODS

HPD URL: <https://www.armstrongflooring.com/pdbupimages-flr/223942.pdf>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

PVC-free weld rods are recommended when installing MedinPure™ PVC-Free Homogeneous Sheet Flooring in aseptic areas that demand superior infection control.

S-799 HIGH MOISTURE ADHESIVE FOR PVC-FREE SHEET AND RUBBER TILE

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

S-799 is a full-spread adhesive recommended for high moisture areas. S-799 is Cradle to Cradle Material Health Certified Gold and FloorScore certified. S-799 has a calculated VOC content of 0.0 g/L; calculated and reported per SCAQMD 1168.

S-1000

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

S-1000 flooring adhesive is a simple one-part system, fast-curing formula with strong, early grab, S-1000 is Floor Score certified and has a calculated VOC of 0.1 g/L; calculated and reported per SCAQMD 1168.

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.**
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FOHO New & Hi-Tech Industrial Development Zone
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 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.