

HPD UNIQUE IDENTIFIER: 23580

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: This HPD covers the following heterogeneous sheet vinyl flooring products: Adventure, Artesian, and Rendition. These light commercial resilient sheet vinyl products have excellent durability, with a UV urethane finish. They are 12' width sheet products and utilize a direct glue installation.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format: Basic Method; Threshold level: 1,000 ppm; Residuals/Impurities: Not Considered; Explanation(s) provided for Residuals/Impurities: Yes; Characterized: Yes Ex/SC; Screened: Yes Ex/SC; Identified: 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

COMMERCIAL HETEROGENEOUS SHEET VINYL FLOORING [POLYVINYL CHLORIDE LT-P1 | RES CALCIUM CARBONATE LT-UNK DI(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg PROPANOIC ACID, 2-METHYL-, 2,2-DIMETHYL-1-(1-METHYLETHYL)-1,3-PROPANEDIYL ESTER LT-P1 | END REACTION MASS OF: CIS-1,4-DIMETHYLCYCLOHEXYL DIBENZOATE; TRANS-1,4-DIMETHYLCYCLOHEXYL DIBENZOATE LT-UNK DI(2-ETHYLHEXYL)ADIPATE LT-P1 | CAN | END 1,4-BENZENEDICARBOXYLIC ACID, 1,4-DIBUTYL ESTER NoGS UNDISCLOSED LT - P1 SOYBEAN OIL, EPOXIDIZED LT-P1 TITANIUM DIOXIDE LT-1 | CAN | END 2-BENZOTHAZOLESULFENAMIDE, N-(1,1-DIMETHYLETHYL)- LT-P1 | MUL ZINC OXIDE BM-1 | RES | AQU | END | MUL]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen

Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All ingredients have been screened against HPD authoritative lists but not all CAS #'s have been disclosed to protect proprietary formulations.

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

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified? No; PREPARER: Self-Prepared; VERIFIER: ; VERIFICATION #: ; SCREENING DATE: 2021-01-25; PUBLISHED DATE: 2021-01-25; EXPIRY DATE: 2024-01-25

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

COMMERCIAL HETEROGENEOUS SHEET VINYL FLOORING

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: All ingredients at or above 1,000 ppm are included in this HPD. Any residuals and impurities below 1,000 ppm are below the reporting threshold and are not considered. This is based on information provided to us by our raw material suppliers.

OTHER PRODUCT NOTES:

POLYVINYL CHLORIDE

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-25

%: 36.0000 - 41.0000 GS: LT-P1 RC: Both NANO: Unknown SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-25

%: 28.0000 - 38.0000 GS: LT-UNK RC: Both NANO: Unknown SUBSTANCE ROLE: Filler

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

SUBSTANCE NOTES:

DI(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-25

%: 8.0000 - 10.0000 GS: BM-3dg RC: Both NANO: Unknown SUBSTANCE ROLE: Plasticizer

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

SUBSTANCE NOTES:

PROPANOIC ACID, 2-METHYL-, 2,2-DIMETHYL-1-(1-METHYLETHYL)-1,3-PROPANEDIYL ESTER

ID: 6846-50-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-25

%: 6.0000 - 6.0000	GS: LT-P1	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES:				

REACTION MASS OF: CIS-1,4-DIMETHYLCYCLOHEXYL DIBENZOATE; TRANS-1,4-DIMETHYLCYCLOHEXYL DIBENZOATE ID: 35541-81-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 6.0000 - 6.0000	GS: LT-UNK	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

DI(2-ETHYLHEXYL)ADIPATE ID: 103-23-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 3.0000 - 3.0000	GS: LT-P1	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	US EPA - IRIS Carcinogens	(1986) Group C - Possible human Carcinogen		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES:				

1,4-BENZENEDICARBOXYLIC ACID, 1,4-DIBUTYL ESTER ID: 1962-75-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 1.0000 - 1.0000	GS: NoGS	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Toxnot Chemical Hazard Screening Library		HAZARD SCREENING DATE: 2021-01-25		
%: 1.0000 - 1.0000	GS: LT - P1	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Water resistance
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

SOYBEAN OIL, EPOXIDIZED ID: 8013-07-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 0.9000 - 0.9000	GS: LT-P1	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:				

TITANIUM DIOXIDE

ID: **13463-67-7**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 0.5000 - 0.5000	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	EU - GHS (H-Statements)	H351 - Suspected of causing cancer		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
SUBSTANCE NOTES: Hazard in respirable form only; not available for exposure in finished product form.				

2-BENZOTHAZOLESULFENAMIDE, N-(1,1-DIMETHYLETHYL)-

ID: **95-31-8**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 0.1000 - 0.4000	GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Oxidizing agent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SUBSTANCE NOTES:				

ZINC OXIDE

ID: **1314-13-2**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-25		
%: 0.1000 - 0.1000	GS: BM-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Oxidizing agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

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

VOC EMISSIONS

FloorScore®

CERTIFYING PARTY: Third Party

ISSUE DATE: 2021-01-01

EXPIRY DATE: 2021-06-30

CERTIFIER OR LAB: Scientific Certification Systems

APPLICABLE FACILITIES: All

CERTIFICATE URL:

https://www.scscertified.com/products/cert_pdfs/Shaw_2020_SCS-FS-03926_s.pdf

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Environmental Product Declaration

CERTIFYING PARTY: Third Party

ISSUE DATE: 2019-01-01

EXPIRY DATE: 2024-01-01

CERTIFIER OR LAB: UL Environment

APPLICABLE FACILITIES: All

CERTIFICATE URL:

<https://qmsview.shawinc.com/viewer/doc/4629>

CERTIFICATION AND COMPLIANCE NOTES: This is an Industry-Wide Environmental Product Declaration.

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.

SHAW 4151 ADHESIVE

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Shaw 4151 Spec Sheet: <https://pdmsview.shawinc.com/viewer/book/8262>

SHAW S150-95 ADHESIVE

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Shaw S150-95 Spec Sheet: <https://pdmsview.shawinc.com/viewer/book/8271>

Section 5: General Notes

This HPD covers the resilient sheet styles: Adventure, Artesian, and Rendition. Additional Sustainability Information found at: <https://www.shawcontract.com/en-US/Sustainability/People-Planet>. Additional Installation and Accessory Information found at: <https://www.shawcontract.com/en-US/TechnicalPage/Installation>.

MANUFACTURER INFORMATION

MANUFACTURER: Shaw Contract
ADDRESS: 230 Douthit Ferry Road
Cartersville Georgia 30120, United States
WEBSITE: <https://www.shawcontract.com/en-us>

CONTACT NAME: Melea Wade
TITLE: Product Sustainability Manager
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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	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.