Flexco ESD Solid Vinyl Tile by Flexco Corporation

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 23621

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: Flexco® Delane® ESD Solid Vinyl Tile is a vinyl flooring product designed to prevent electrostatic discharge (ESD) related damage. To control the static charge, FLEXCO combines conductive or dissipative vinyl tile with a specially-formulated conductive adhesive. This creates a conductive pathway, which allows the static to flow through the tile and along the adhesive to the ground point. That makes FLEXCO ESD static control vinyl flooring an effective first-choice solution to control unwanted human body voltage in areas where mobility cannot be restricted by wrist straps. Flexco ESD Solid Vinyl Tile is formulated with Bioplasticizer and no post-consumer recycled content is used, eliminating the possibility of contamination by ortho-phthalates. These products are manufactured without the use of toxic heavy metals such as Lead, Cadmium, Chromium VI, or Arsenic and the PVC resin used is manufactured without using Mercury cell and Asbestos membranes. Flexco's Delane ESD Solid Vinyl Tile formulation is screened according to current authoritative lists and does not contain any substances of very high concern (SVHC) on the REACH candidate list or substances restricted under REACH.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- C Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- C 1,000 ppm
- C Per GHS SDS ○ Other
- Residuals/Impurities
- Considered
- C 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

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

FLEXCO ESD SOLID VINYL TILE [LIMESTONE; CALCIUM CARBONATE LT-UNK POLYVINYL CHLORIDE (PVC) LT-P1 | RES EPOXIDIZED SOYBEAN OIL LT-P1 UNDISCLOSED BM-1 | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | END UNDISCLOSED BM-1 | CAN UNDISCLOSED LT-UNK UNDISCLOSED BM-1 | PBT | MUL UNDISCLOSED BM-3dg UNDISCLOSED LT-P1 | MUL UNDISCLOSED BM-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END]

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:

Percentages (%) provided as ranges to protect proprietary information.

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: RFCI FloorScore® IAQ Certified

Multi-attribute: NSF/ANSI 332 Resilient Flooring: Platinum

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

O Yes

PREPARER: Self-Prepared

VERIFIER:

SCREENING DATE: 2021-01-28

PUBLISHED DATE: 2021-01-28



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

FLEXCO ESD SOLID VINYL TILE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities.

OTHER PRODUCT NOTES: None.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-28

%: 49.0000 - 62.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE AGENCY AND LIST TITLES **WARNINGS**

No warnings found on HPD Priority Hazard Lists None found

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

POLYVINYL CHLORIDE (PVC) ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-28

%: 24.0000 - 36.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

RES AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

EPOXIDIZED SOYBEAN OIL ID: 8013-07-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-28

%: 9.0000 - 13.5000 SUBSTANCE ROLE: Plasticizer GS: LT-P1 RC: None NANO: No

HAZARD TYPE AGENCY AND LIST TITLES **WARNINGS**

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-01-28		
%: 0.7000 - 1.2000	GS: BM-1	RC: None NANO: No SUBSTANCE ROLE: Processing regula	ator	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MUL	German FEA - Substances Hazardous Waters	to Class 2 - Hazard to Waters		

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING D	DATE: 2021-01-28
%: 0.3600 - 0.5000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Heat or UV stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WA	ARNINGS	
None found			No wa	arnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD	SCREENING DATE:	2021-01-28
%: 0.3200 - 0.5000	GS: LT-P1	RC: None	e NANO: No	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES	\	WARNINGS	
END	TEDX - Potential Endocrine Disruptors	F	Potential Endocrine	Disruptor

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD	SCREENING DAT	E: 2021-01-28
%: 0.2000 - 5.0000	GS: BM-1	RC: Non	e NANO: No	SUBSTANCE ROLE: Anti-static
HAZARD TYPE	AGENCY AND LIST TITLES	,	WARNINGS	
CAN	US CDC - Occupational Carcinogens		Occupational Carc	inogen
CAN	CA EPA - Prop 65		Carcinogen - speci	ific to chemical form or exposure route
CAN	IARC		Group 2B - Possibli rom occupational	ly carcinogenic to humans - inhaled sources
CAN	MAK		Carcinogen Group out not sufficient fo	3B - Evidence of carcinogenic effects or classification

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING D	ATE: 2021-01-28
%: 0.1800 - 0.4200	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Heat or UV stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WA	ARNINGS	
None found			No wa	arnings found on HPD Priority Hazard Lists
None found			No wa	arnings found on HPD Priority Hazard

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk

assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD	SCREENING	DATE: 2021-01-28
%: 0.0800 - 0.2200	GS: BM-1	RC: Non	e NANO: No	SUBSTANCE ROLE: Heat or UV stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	,	WARNINGS	
РВТ	EC - CEPA DSL		•	accumulative and inherently Toxic (PBiTE) nent (based on aquatic organisms)
MUL	German FEA - Substances Hazardous Waters	to	Class 2 - Hazaı	rd to Waters

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCI	REENING DATE:	2021-01-28
%: 0.0800 - 0.1500	GS: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS	
None found			No warning	s found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED		ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-01-28
%: 0.0200 - 0.0600	GS: LT-P1	RC: None NANO: No SUBSTANCE ROLE: Heat or UV stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous Waters	to Class 2 - Hazard to Waters

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCI	REENING DATE:	2021-01-28
%: 0.0000 - 8.0000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

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

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.

TITANIUM DIOXIDE ID: 13463-67-7

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-01-28			2021-01-28
%: 0.0000 - 6.0000	GS: LT-1	RC: No	ne	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	IINGS	
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen			ogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure			to chemical form or exposure route
CAN	IARC			2B - Possibly o	carcinogenic to humans - inhaled urces
END	TEDX - Potential Endocrine Disruptors	rs Potential Endocrine Disruptor			Disruptor
CAN	MAK				a - Evidence of carcinogenic effects stablish MAK/BAT value
CAN	MAK			nogen Group 4 - nder MAK/BAT I	Non-genotoxic carcinogen with low levels
CAN	EU - GHS (H-Statements)		H351	- Suspected of	causing cancer

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vinyl flooring part.



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 RFCI FloorScore® IAQ Certified

CERTIFYING PARTY: Third Party ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB: SCS

APPLICABLE FACILITIES: All. 2020-07-01 2021-06-30 **Global Services**

CERTIFICATE URL:

https://www.scscertified.com/products/cert_pdfs/FlexcoFloors_2020_SCS-

FS-02237_s.pdf

CERTIFICATION AND COMPLIANCE NOTES: RFCI FloorScore® Indoor Air Quality (IAQ) Certification is in compliance with 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. Registration # SCS-FS-02237.

MULTI-ATTRIBUTE NSF/ANSI 332 Resilient Flooring: Platinum

CERTIFYING PARTY: Third Party ISSUE DATE: 2020- EXPIRY DATE: **CERTIFIER OR LAB: SCS**

APPLICABLE FACILITIES: All. 04-01 2022-12-31 Global Services

CERTIFICATE URL:

https://www.scscertified.com/products/cert_pdfs/Flexco_2020_SCS-

RF-04165 s.pdf

CERTIFICATION AND COMPLIANCE NOTES: NSF/ANSI 332 is a voluntary, multi-attribute standard that evaluates the environmental and social impacts of resilient flooring products. Qualification of certification under this standard requires conformance to criteria including product design, product manufacturing, long-term value, end of life management, corporate governance, and innovation. Flexco ESD static control vinyl tile has been certified to the Platinum level of NSF/ANSI 332.

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.

EXCELSIOR ASD-800 HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

ASD-800 is an acrylic wet-set adhesive specifically designed for permanent indoor installation of ESD vinyl and rubber flooring materials. ASD-800 is water-based, low VOC and solvent free. ASD-800 is RFCI FloorScore® Indoor Air Quality (IAQ) certified by SCS Global Services, indicating compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April, 2017, for the school classroom, private office, and single-family residence parameters when modeled as flooring (Registration # SCS-FS-02963, valid from March 1, 2018 to February 28, 2019, Certificate URL: https://www.scscertified.com/products/cert_pdfs/RHC_2018_SCS-FS-02963_s.pdf). Technical Data Sheet URL: http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_ASD-800_DataSheet.pdf

EXCELSIOR USD-810 HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

USD-810 is a two-part, solvent-free urethane adhesive used for the permanent installation of ESD vinyl and rubber flooring products. USD-810 is low VOC and solvent-free, yet is highly aggressive and cured to a flexible, ESD film for superior adhesion. USD-810 is RFCI FloorScore® Indoor Air Quality (IAQ) certified by SCS Global Services, indicating compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April, 2017, for the school classroom, private office, and single-family residence parameters when modeled as flooring (Registration # SCS-FS-02963, valid from March 1, 2018 to February 28, 2019, Certificate URL: https://www.scscertified.com/products/cert_pdfs/RHC_2018_SCS-FS-02963_s.pdf). Technical Data Sheet URL: http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_USD-810_DataSheet.pdf

Section 5: General Notes

Flexco's Delane ESD Solid Vinyl Tile formulation is screened according to current authoritative lists and does not contain any substances of very

high concern (SVHC) on the REACH candidate list or substances restricted under REACH. Ingredients de confidential to protect proprietary information. Hazards shown in this Health Product Declaration may not exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the in is a solid vinyl flooring part.	t represent a significant health risk, as
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MANUFACTURER INFORMATION

MANUFACTURER: Flexco Corporation ADDRESS: 1401 East 6th Street

Tuscumbia AL 35674, United States

WEBSITE: http://www.flexcofloors.com

CONTACT NAME: Jacob Gentillon

TITLE: Chemist PHONE: 800.633.3151

EMAIL: jkgentillon@flexcofloors.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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown (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.)

NoGS No GreenScreen.

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.