

CLASSIFICATION: 90 65 19 23 Vinyl Tile Flooring

PRODUCT DESCRIPTION: The Hyundai Vinyl Tile is a multi-purpose vinyl sheet tile with a wide range of applications (office, school, laboratory, etc.). The Vinyl Tile ranges in total thickness and is composed of six layers: coating layer, wear layer, print layer, center layer, base layer, and balance layer. This HPD covers the assessment of the following vinyl tile models: Hyundai Crescendo, Loose Lay Tile, Master Tile, Classic Tile, Gold Tile, and Noble Tile. The polyurethane resin was not assessed in the HPD.

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

VINYL TILE FLOORING [LIMESTONE; CALCIUM CARBONATE LT-UNK
POLYVINYL CHLORIDE (PVC) LT-P1 | RES BIS(2-ETHYLHEXYL)
TEREPHTHALATE BM-3dg SOLID GLASS AND GLASS / MINERAL FIBER
(SEE VARIANTS) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END
CELLULOSE PULP NoGS BARIUM DIOLEATE LT-UNK 2-
(ACRYLOYLOXY)ETHANOL LT-P1 | AQU | MAM | SKI | MUL DISTILLATES
(PETROLEUM), HYDROTREATED LIGHT PARAFFINIC LT-1 | CAN | MUL
ZINC NEODECANOATE LT-P1 | MUL PHOSPHOROUS ACID, TRIISODECYL
ESTER (9CI) LT-P1 | MUL POLY(VINYL ALCOHOL) LT-UNK DISTILLATE
FUEL OILS, LIGHT BM-2 | MAM | CAN POLYETHYLENE GLYCOL
NONYLPHENYL ETHER BM-1tp | END | MUL | REP | AQU | DEL 1,1'-
AZOBIS(FORMAMIDE) LT-UNK | RES 1,2(OR 3)-PROPANEDIOL,1-
ACRYLATE LT-UNK | MAM | SKI PENTAERYTHRITOL TRIACRYLATE LT-
UNK | SKI | EYE ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 |
SKI | EYE | END TRIETHYLENE GLYCOL MONOBUTYL ETHER LT-UNK |
EYE WATER BM-4 ANOX 20 LT-UNK TEREPHTHALIC ACID BM-2 2,2'-
IMINOBISETHANOL N-COCO ALKYL DERIVS. LT-P1 | MUL DIPROPYLENE
GLYCOL DIACRYLATE LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-
1-PHENYL- LT-UNK 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH
(2E)-2-BUTENEDIOIC ACID, 1,2-ETHANEDIOL AND 2,2'-OXYBIS(ETHANOL)
NoGS]

Number of Greenscreen BM-4/BM3 contents ... 1

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Hyundai worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

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

LCA: Environmental Product Declaration (EPD) by SCS

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-1169**

SCREENING DATE: **2020-03-30**
PUBLISHED DATE: **2020-05-15**
EXPIRY DATE: **2023-03-30**



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

VINYL TILE FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Hyundai L&C worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

OTHER PRODUCT NOTES: Models covered under this HPD are Hyundai Crecendo, Loose Lay Tile, master Tile, Classic Tile, Gold Tile, and Noble Tile.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-30

%: 32.00 - 66.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are due to variances in the thickness of the base layer.

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-30

%: 19.00 - 51.00

GS: LT-P1

RC: None

NANO: No

ROLE: Structural Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Ranges are due to variances in the thickness of the base layer.

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-30

%: 5.77 - 19.30

GS: BM-3dg

RC: None

NANO: No

ROLE: Plasticizer and Toner Components

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

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-03-30		
%: 1.30 - 1.60	GS: LT-UNK	RC: None	NANO: No	ROLE: Fiberglass and UV Coating Component
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: 2020-03-30		
%: 0.70 - 0.70	GS: LT-1	RC: None	NANO: No	ROLE: Toner Component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
SUBSTANCE NOTES:				

CELLULOSE PULP

ID: 65996-61-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-03-30		
%: 0.30 - 0.40	GS: NoGS	RC: None	NANO: No	ROLE: Fiberglass Component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES:

BARIUM DIOLEATE

ID: 591-65-1

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.25 - 1.75**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

2-(ACRYLOYLOXY)ETHANOL

ID: 818-61-1

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.23 - 0.33**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **UV Coating Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

MAMMALIAN

EU - GHS (H-Statements)

H311 - Toxic in contact with skin

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES:

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC

ID: 64742-55-8

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.15 - 1.25**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES:

ZINC NEODECANOATE

ID: 27253-29-8

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.15 - 1.25** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

PHOSPHOROUS ACID, TRIISODECYL ESTER (9CI)

ID: 25448-25-3

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.15 - 1.25** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

POLY(VINYL ALCOHOL)

ID: 9002-89-5

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.14 - 0.14** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

DISTILLATE FUEL OILS, LIGHT

ID: 64742-47-8

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.10 - 0.20**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Solvent Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

POLYETHYLENE GLYCOL NONYLPHENYL ETHER

ID: 9016-45-9

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.10 - 0.10**

GS: **BM-1tp**

RC: **None**

NANO: **No**

ROLE: **Dispersant Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Substance of Possible Concern
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CHRON AQUATIC	US EPA - PPT Chemical Action Plans	Highly toxic to aquatic organisms
DEVELOPMENTAL	US EPA - PPT Chemical Action Plans	Developmental Effects
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
ENDOCRINE	EU - SVHC Authorisation List	Equivalent Concern - Candidate List

SUBSTANCE NOTES: This value represents the maximum percentage

1,1'-AZOBIS(FORMAMIDE)

ID: 123-77-3

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.10 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Blowing Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

SUBSTANCE NOTES: This value represents the maximum percentage

1,2(OR 3)-PROPANEDIOL,1-ACRYLATE

ID: 25584-83-2

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.08 - 0.18**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES:

PENTAERYTHRITOL TRIACRYLATE

ID: 3524-68-3

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.07 - 0.17**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES:

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.05 - 0.10**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Dispersant Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

TRIETHYLENE GLYCOL MONOBUTYL ETHER

ID: 143-22-6

%: **0.02 - 0.03** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dispersant Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

EYE IRRITATION**EU - GHS (H-Statements)****H318 - Causes serious eye damage**

SUBSTANCE NOTES:

WATERID: **7732-18-5**%: **0.01 - 0.15** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Structural Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

ANOX 20ID: **6683-19-8**%: **0.01 - 0.25** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

TEREPHTHALIC ACIDID: **100-21-0**%: **0.01 - 0.06** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Plasticizer Component**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

2,2'-IMINOBISETHANOL N-COCO ALKYL DERIVS.ID: **61791-31-9**%: **0.01 - 0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Toner Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.01 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Coating Component**

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

SUBSTANCE NOTES:

1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-

ID: 7473-98-5

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.01 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Coating Component**

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

SUBSTANCE NOTES:

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH (2E)-2-BUTENEDIOIC ACID, 1,2-ETHANEDIOL AND 2,2'-OXYBIS(ETHANOL)

ID: 28133-55-3

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

HAZARD SCREENING DATE: **2020-03-30**

#: **0.01 - 0.10** GS: **NoGS** RC: **None** NANO: **No** ROLE: **UV Coating Component**

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

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

RFCI FloorScore

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **7F, 26, EULJIRO-5GILs, Jung-Gu, Seoul, Korea, Republic Of**

CERTIFICATE URL:

https://www.scscertified.com/products/cert_pdfs/HyundaiL&C_2019_SCS-FS-03540_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-07-01	2020-06-30	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: **Registration # SCS-FS-03540: 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. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)**

LCA

Environmental Product Declaration (EPD) by SCS

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **7F Center1, 26, Eulji-ro 5 Gil, Jung-Gu, Seoul, Korea 04539**

CERTIFICATE URL:

https://www.scscertified.com/products/cert_pdfs/SCS-EPD-04495_Hyundai_flooring_111119.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2017-05-17	2022-05-16	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: **Registration # SCS-EPD-04495; Product Category Rule (PCR) for preparing an Environmental Product Declaration (EPD) for Flooring: Carpet, Resilient, Laminate, Ceramic, Wood. NSF International. Version 2. 2014. This Environmental Product Declaration (EPD) conforms to ISO 14025, 14040, ISO 14044, and ISO 21930.**

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.

No accessories are required for this product.

Section 5: General Notes

This covers the assessment of the following vinyl tile models: Hyundai Crescendo, Loose Lay Tile, Master Tile, Classic Tile, Gold Tile, and Noble Tile.



MANUFACTURER INFORMATION

MANUFACTURER: **Hyundai L&C Corporation**

ADDRESS: **CENTER 1 Building 7-8 Floor 26**

Uljiro 5-gil

Seoul Jung-gu 100-210, South Korea

WEBSITE:

<http://www.hlcc.co.kr/en/product/main.jsp?code=enviewVisu6>

CONTACT NAME: **Kiwoong Lee**

TITLE: **Staff**

PHONE: **+82 10-4820-5919**

EMAIL: **lgw3112@hanwha.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.