

CLASSIFICATION: Resilient Tile Flooring

PRODUCT DESCRIPTION: Quality Luxury Vinyl Flooring with high authentic wooden and stone designs in plank and tile formats.

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

RESILIENT FLOORING [CALCIUM CARBONATE (PRIMARY CASRN IS 471-34-1) BM-3 POLYVINYL CHLORIDE (PRIMARY CASRN IS 9002-86-2) LT-P1 | RES BIS(2-ETHYLHEXYL) TEREPHTHALATE (PRIMARY CASRN IS 6422-86-2) BM-3dg ZINC STEARATE (PRIMARY CASRN IS 557-05-1) LT-P1 CALCIUM STEARATE (PRIMARY CASRN IS 1592-23-0) LT-UNK EPOXIDIZED SOYBEAN OIL (PRIMARY CASRN IS 8013-07-8) LT-P1 DIPROPYLENE GLYCOL DIACRYLATE LT-UNK CARBON BLACK LT-1 | CAN (2-HYDROXY-4-(OCTYLOXY)PHENYL)PHENYLMETHANONE LT-UNK METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE LT-UNK]

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:

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
Multi-attribute: NSF 332-2015 Sustainability assessment for resilient floor covering
Multi-attribute: ISO 14001:2015 Environmental management systems
Management: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-06-13

PUBLISHED DATE: 2019-06-24

EXPIRY DATE: 2022-06-13



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

RESILIENT FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: There is no intentionally used substance during the process, and no residuals will be present in the final material/mixture. Impurities are currently being investigated and will be disclosed upon future updates.

OTHER PRODUCT NOTES:

CALCIUM CARBONATE (PRIMARY CASRN IS 471-34-1)

ID: 148092-93-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-06-13

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
%: 45.00 - 55.00	GS: BM-3	RC: PreC NANO: No ROLE: middle and bottom layers of the flooring

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

SUBSTANCE NOTES:

POLYVINYL CHLORIDE (PRIMARY CASRN IS 9002-86-2)

ID: 2137864-40-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-06-13

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
%: 40.00 - 50.00	GS: LT-P1	RC: None NANO: No ROLE: wear, middle, and bottom layer of the flooring

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

SUBSTANCE NOTES:

BIS(2-ETHYLHEXYL) TEREPHTHALATE (PRIMARY CASRN IS 6422-86-2)

ID: 144981-82-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-06-13

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
%: 10.00 - 14.00	GS: BM-3dg	RC: UNK NANO: No ROLE: plasticizer

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

ZINC STEARATE (PRIMARY CASRN IS 557-05-1)

ID: 256482-37-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-13		
#: 0.50 - 0.60	GS: LT-P1	RC: UNK	NANO: No	ROLE: stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

CALCIUM STEARATE (PRIMARY CASRN IS 1592-23-0)

ID: 2137046-46-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-13		
#: 0.50 - 0.60	GS: LT-UNK	RC: UNK	NANO: No	ROLE: stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

EPOXIDIZED SOYBEAN OIL (PRIMARY CASRN IS 8013-07-8)

ID: 667916-55-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-13		
#: 0.35 - 0.45	GS: LT-P1	RC: UNK	NANO: No	ROLE: binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-13		
#: 0.05 - 0.09	GS: LT-UNK	RC: UNK	NANO: Unknown	ROLE: Protect
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

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

HAZARD SCREENING DATE: **2019-06-13**

#: **0.01 - 0.03** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **color**

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

SUBSTANCE NOTES:

(2-HYDROXY-4-(OCTYLOXY)PHENYL)PHENYLMETHANONE

ID: 1843-05-6

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

HAZARD SCREENING DATE: **2019-06-13**

#: **0.01 - 0.01** GS: **LT-UNK** RC: **UNK** NANO: **Unknown** ROLE: **Protect**

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

SUBSTANCE NOTES:

METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE

ID: 25852-37-3

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

HAZARD SCREENING DATE: **2019-06-13**

#: **0.01 - 0.01** GS: **LT-UNK** RC: **UNK** NANO: **Unknown** ROLE: **Modifier**

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**
ISSUE DATE: **2019-03-01** EXPIRY DATE: **2020-02-29** CERTIFIER OR LAB: **SCS Global Services**
APPLICABLE FACILITIES: **No. 226, Tai Ping Rd., Hsu Lin, New Taipei City, Taiwan, R.O.C.**
CERTIFICATE URL:
CERTIFICATION AND COMPLIANCE NOTES: **Registration # SCS-FS-05037**

MULTI-ATTRIBUTE

NSF 332-2015 Sustainability assessment for resilient floor covering

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-06-28** EXPIRY DATE: **2021-06-28** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **No. 226, Taiping Rd., Hsu Lin, New Taipei City, Taiwan, R.O.C.**
CERTIFICATE URL:
CERTIFICATION AND COMPLIANCE NOTES: **Certificate Number: 129626-4230**

MULTI-ATTRIBUTE

ISO 14001:2015 Environmental management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2017-10-11** EXPIRY DATE: **2019-09-29** CERTIFIER OR LAB: **SGS**
APPLICABLE FACILITIES: **No. 226, Tai Ping, Hsu Lin, New Taipei City, Taiwan, R.O.C.**
CERTIFICATE URL:
CERTIFICATION AND COMPLIANCE NOTES: **Certificate TW07/01107.01**

MANAGEMENT

ISO 9001:2015 Quality management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-09-15** EXPIRY DATE: **2021-09-15** CERTIFIER OR LAB: **SGS**
APPLICABLE FACILITIES: **No. 226, Tai Ping Rd., Hsu Lin, New Taipei City, Taiwan, R.O.C.**
CERTIFICATE URL:
CERTIFICATION AND COMPLIANCE NOTES: **Certificate TW01/00656**

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

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
For all installations





MANUFACTURER INFORMATION

MANUFACTURER: **Handsome Plastics Co., Ltd.**

ADDRESS: **No. 226, Pai Ping Rd.,**

Hsu Lin

New Taipei City Taiwan 238, R.O.C.

WEBSITE: **http://www.handsomeflor.com**

CONTACT NAME: **Beth Lin**

TITLE: **Special Assistant of President**

PHONE: **886-2-86860707**

EMAIL: **beth_lin@hpcl.com.tw**

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.