

CLASSIFICATION: 09 30 00

PRODUCT DESCRIPTION: For the purpose of transparency within this HPD, ceramic products shall encompass all related tile categories by TileBar including but without limitation to ceramic, porcelain, quarry tile and mosaic blends that are intended to cover floor and/or wall assemblies as a finish material. See Section 5 for a list of series covered under this Multi-Product HPD. Field tiles, trims and decorative mosaics that are manufactured from a blend of substances shall disclose all ingredients, including any residuals and known trace elements that make up the body and glazes of these products and are being reported to 100ppm. Accessories required to complete installation; setting materials, grouts, sealers, membranes, substrates, metal profiles and the like, will vary based on final scope of work and desired application of the tile(s). Specific technical and testing data, product sizes, finishes, colors, use recommendations, warranties, and other pertinent info can be provided by contacting TileBar, or visiting www.tilebar.com.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities Considered in 0 of 1 Materials

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.

Threshold Disclosed Per

- Material
- Product

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

CERAMIC BISQUE | FELDSPAR LT-UNK | RES KAOLIN CLAY LT-UNK |
 CAN QUARTZ LT-1 | CAN TALC BM-1 | CAN CALCIUM OXIDE LT-P1
 MAGNESIUM OXIDE LT-UNK | CAN ZINC OXIDE BM-1 | RES | AQU | MUL
 ALUMINUM OXIDE BM-2 | RES ZIRCONIUM SILICATE LT-UNK
 DIPOTASSIUM OXIDE LT-UNK SODIUM OXIDE LT-UNK DIETHYLENE
 GLYCOL LT-P1 | END PENTASODIUM TRIPHOSPHATE LT-UNK ZIRCON
 (ZR(SIO4)) LT-UNK TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7)
 LT-1 | CAN | END CHROMITE NoGS SMECTITE (PRIMARY CASRN IS
 12199-37-0) NoGS RUTILE TITANIUM DIOXIDE LT-1 | CAN MICA LT-UNK
 CALCITE (CA(CO3)) NoGS ALUMINOSILICATE LT-UNK FRITS, CHEMICALS
 LT-P1 | MUL REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE
 NoGS WOLLASTONITE LT-UNK SILICA, CHRISTOBALITE LT-1 | CAN]

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:

0-40% of the body of man-made ceramic tiles are made up of Crystalline Silica in the form of Quartz or Fused Quartz, Feldspar, naturally occurring Clays and other minerals. Although respirable silica is a controlled ingredient, the silica contained within the matrix of the tile post production is not considered respirable in its stable form and will not pose any health or safety risks unless disrupted and changed into a respirable size.

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: VOC Emissions Statement

LCA: EPD/LCA: Gradle to Gate

Other: REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

Other: Extended Producer Responsibility (EPR) program - LEED compliant

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2019-04-19**

PUBLISHED DATE: **2019-11-20**

EXPIRY DATE: **2022-04-19**



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

CERAMIC BISQUE

#: 000 - 100.00

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Negligible residual amounts (0.0001-0.9%) by weight of the following elements may be present: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Copper, Manganese, Mercury, Nickel, Lead, Silver, Thallium, Tin, Titanium, Vanadium, and Zinc. These impurities may exist due to geological characteristics of clay and minerals that make up the raw ingredients of the body of ceramic tiles, as well as any other man-made or natural products containing silica, calcium and/or clay mined from the earth.

HPD URL: <http://www.tilebar.com>

OTHER MATERIAL NOTES: Products are non-toxic and non-hazardous in their stable form as described in their respective SDS sheets. See Section 5 General Notes for a list of series covered under this HPD that are categorized as ceramics or resemble ceramics in nature as related to their raw ingredient disclosures. All substances in this material are below the reportable threshold. All substances in this material are below the reportable threshold.

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-19

#: 40.00 - 50.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Body & Glaze

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-19

#: 20.00 - 40.00

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Body

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

QUARTZ

ID: 14808-60-7

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

HAZARD SCREENING DATE: **2019-04-19**

#: **5.00 - 20.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Body and Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

TALC

ID: 14807-96-6

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

HAZARD SCREENING DATE: **2019-04-19**

#: **1.00 - 1.50**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Ceramic Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

CALCIUM OXIDE

ID: 1305-78-8

%: **0.50 - 1.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Body & Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

MAGNESIUM OXIDEID: **1309-48-4**%: **0.50 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Body & Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER**MAK**

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

ZINC OXIDEID: **1314-13-2**%: **0.50 - 1.00**GS: **BM-1**RC: **None**NANO: **No**ROLE: **Body & Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY**AOEC - Asthmagens**

Asthmagen (Rs) - sensitizer-induced

ACUTE AQUATIC**EU - GHS (H-Statements)****H400 - Very toxic to aquatic life****CHRON AQUATIC****EU - GHS (H-Statements)****H410 - Very toxic to aquatic life with long lasting effects****MULTIPLE****German FEA - Substances Hazardous to Waters****Class 2 - Hazard to Waters**

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

ALUMINUM OXIDEID: **1344-28-1**%: **0.50 - 1.00**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Ceramic Body**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

ZIRCONIUM SILICATE

ID: 10101-52-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-19**

#: **0.50 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ceramic Body**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

DIPOTASSIUM OXIDE

ID: 12136-45-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-19**

#: **0.50 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ceramic Body**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-19**

#: **0.50 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ceramic Body**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

DIETHYLENE GLYCOL

ID: 111-46-6

#: **0.05 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE**TEDX - Potential Endocrine Disruptors****Potential Endocrine Disruptor**

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

PENTASODIUM TRIPHOSPHATEID: **7758-29-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-19**

#: **0.01 - 0.01** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

ZIRCON (ZR(SIO4))ID: **14940-68-2**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 4.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ceramic Glaze & Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7)ID: **2101768-00-5**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body & Glaze**

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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

CHROMITE

ID: 1308-31-2

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 0.30**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Ceramic Body Stain**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

SMECTITE (PRIMARY CASRN IS 12199-37-0)

ID: 280747-42-4

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 0.10**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Glaze**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

RUTILE TITANIUM DIOXIDE

ID: 1317-80-2

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 0.10**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Ceramic Body Stain**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

MICA

ID: 12001-26-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 0.30** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

CALCITE (CA(CO3))

ID: 13397-26-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 0.03** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Ceramic Body**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

ALUMINOSILICATE

ID: 1327-36-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 0.02** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ceramic Body Glaze**

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

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

FRITS, CHEMICALS

ID: 65997-18-4

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 2.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Body and Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE

ID: 1353091-50-5

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 5.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Body and Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

WOLLASTONITE

ID: 13983-17-0

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 2.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body and Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

SILICA, CHRISTOBALITE

ID: 14464-46-1

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

HAZARD SCREENING DATE: **2019-04-19**

#: **0.00 - 2.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body and Glaze**

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 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Substance reported is associated with manufacturing but not the end use. Such ingredients may also be found in kitchen wares, skincare and other common household products. Post firing, tiles are non-toxic and non-hazardous in their stable form as described in their respective Safety Data Sheets. See Section 5 General Notes for a list of series covered under this HPD.

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

VOC Emissions Statement

CERTIFYING PARTY: **Self-declared**
ISSUE DATE: **2019-04-19** EXPIRY DATE: **2019-04-25** CERTIFIER OR LAB: **TileBar**
APPLICABLE FACILITIES: **All TileBar showrooms and distribution centers.**
CERTIFICATE URL: <http://www.tilebar.com>

CERTIFICATION AND COMPLIANCE NOTES: **VOC's - FloorScore certification, as well as California Health Services Standards as described in LEED® Green Building Rating Systems are not applicable to ceramic products. Due to high firing temperatures in kilns during production, any off gassing is eliminated in the final product and yields 0g/L VOC's. As such, any mineral-based finish flooring products such as tile, masonry, terrazzo, and cut stone without integral organic-based coatings and sealants and unfinished/untreated solid wood flooring qualify for credit without any IAQ testing requirements.**

LCA

EPD/LCA: Cradle to Gate

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2016-09-26** EXPIRY DATE: CERTIFIER OR LAB: **UL Environment**
APPLICABLE FACILITIES: **This multi product HPD contains information for multiple series that originate from multiple factories. As such, the Issuing certifier or lab, certificate issue date and expiration date, as well as the certification party, may vary by series as well. The LCA is applicable to specific factories and series covered in their respective US, Spain, German, Italian EPD's.**
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Porcelain and ceramic products manufactured in the United States, Spain, Italy, or Germany have global EPD and LCA information related to Cradle to Gate assessments. Participating factories and products can be viewed on the actual EPD certificates and LCA info on Cradle to Cradle and Cradle to Grave may be available. When requesting information for a specific series, the country of origin and participation in the EPD/LCA documents must be confirmed by Tilebar.**

OTHER

REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

CERTIFYING PARTY: **Self-declared**
ISSUE DATE: **2019-01-01** EXPIRY DATE: CERTIFIER OR LAB: **Self Declaration**
APPLICABLE FACILITIES: **All Tilebar products originating from the EU as per the terms of REACH**
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **REACH is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals, while enhancing the competitiveness of the EU chemicals industry. Companies established outside the EU are not bound by the obligations of REACH, even if they export their products into the customs territory of the European Union. The responsibility for fulfilling the requirements of REACH, such as pre-registration or registration lies with the importers established in the European Union, or with the only representative of a non-EU manufacturer**

established in the European Union. According to the notifications provided by companies to ECHA in REACH registrations with regards to specific CAS Numbers of substances contained in the finished product, no hazards have been classified. According to the notifications provided by companies to ECHA in CLP notifications with regards to specific CAS Numbers of substances contained in the finished product, no hazards have been classified.

OTHER **Extended Producer Responsibility (EPR) program - LEED compliant**

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **Self-**

APPLICABLE FACILITIES: **Tilebar assortment of products covered under this HPD**

01-01

Declaration

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Extended Producer Responsibility (EPR)** is a policy approach under which producers are given a significant responsibility – financial and/or physical – for the treatment or disposal of post-consumer products. It primarily relates to electronics and plastics, however EPR's are not applicable to the Tilebar assortment of products and as such are not EPR certified. Due to the inherent characteristics of tile, the disposal and reuse of post-consumer tile is addressed in ANSI A138.1/Green Squared in the End of Product Life Management section under Verification of Product as Clean Fill, as well as Collection and Reuse of Post-Life Product; tile finishes can be diverted from landfills and salvaged for reuse in major renovations, material reuse is acknowledged in green-building standards and rating systems, salvaged tile can be recycled by factories into new production.

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.

MORTAR & GROUT & UNDERLAYMENTS

HPD URL: <http://www.tilebar.com>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Setting materials, by way of example but without limitation include mortar, grout, underlayments, sealer, caulking, crack isolation and waterproofing membranes, that are required to properly install tiles, must be identified at the time of tile selection. Setting materials and methods must be based on the final scope of work, compliance to building codes and ordinances and should follow the recommended industry standards provided by ANSI and TCNA.

Section 5: General Notes

LT-1 substances contained in the end product that are screened in the Precheck for LEED v4 Material Ingredients may be flagged according to their CAS number by default, but do not play a hazardous role in the end use of the tile due to inherent characteristics and chemical reactions of tile post firing. Tiles have been tested using ASTM, ISO, or comparable methods to obtain product performance metrics. All ceramic tiles are quarried, produced, graded and packed to their stated specifications as found in Tilebar marketing collateral, spec sheets, brochures and the like. Changes in chemical make up and exact ratios of minerals in the final product may be a result of changes in manufacturing as well as natural geological changes to the raw ingredients sourced. Reference to ANSI, TCNA, NTCA, ICC, OSHA, ADA and other similar organizations may be necessary for proper specification and installation. Tiles are non-hazardous in their stable form and during final use. TileBar recommends special care be taken during cutting and installation, including the use of gloves, goggles and respirator masks to prevent

inhalation of any potential airborne particles and to prevent any injuries as a result of potentially sharp edges after the material is cut. Wet saw, vacuum and other jobsite measures must be observed for compliance to OSHA respirable silica standards. Dry methods of cutting and cleanup are not recommended. The certificates and statements pertaining to industry standards contained herein are intended to be current and correct. This HPD complies with section 3.1 of the HPD Collaborative, "Multiple Products in a Single Listing"; the products being functionally similar, to include the following series: ceramic, porcelain, quarry and glass series found on www.tilebar.com.



MANUFACTURER INFORMATION

MANUFACTURER: **TileBar**
 ADDRESS: **45 West 21st Street**
New York NY 10010, United States
 WEBSITE: **www.tilebar.com**

CONTACT NAME: **Customer Support**
 TITLE: **Customer Support**
 PHONE: **2122561540**
 EMAIL: **info@tilebar.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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.