

CLASSIFICATION: 09 30 00.00 Finishes: Tiling

PRODUCT DESCRIPTION: Over 50% of the Recycled Clay Body is made from recycled content including post-consumer recycled porcelain/glass and pre-consumer recycled granite dust. In addition, we recycle our own tile and glaze. The clay body is made of raw materials sourced in the USA and every tile is handcrafted at our Aromas, CA factory. All of our tiles are 100% VOC free. All of our 150 glazes are 100% lead-free. As with all handmade tile, some degree of color variation is expected. Our ceramic tile is stoneware tile, which differs from porcelain in the coarseness of the clay, the lower firing temperature and overall porosity. Our ceramic tile has a class A fire rating, is durable and extremely easy to maintain. If maintained properly, our tile can be enjoyed for a lifetime.

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

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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

**FIRECLAY TILE - RECYCLED CERAMIC TILE V2 | SILICA, AMORPHOUS
LT-P1 | CAN ALUMINUM OXIDE LT-P1 | RES FRITS, CHEMICALS
(UNLEADED) LT-P1 | MUL FERRIC OXIDE BM-2 | CAN QUARTZ LT-1 | CAN
]**

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

"Ceramic" is regarded as a special condition by the HPD collaborative and not screened. Ceramic Tile is considered as a single component resulting from chemical and physical reactions from the high temperatures reached in the kiln. No warnings or hazards are associated with the final, finished product.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Environmental Product Declaration (EPD) by UL - Industry Generic

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-05-02

PUBLISHED DATE: 2018-06-26

EXPIRY DATE: 2021-05-02



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

FIRECLAY TILE - RECYCLED CERAMIC TILE V2

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: "Ceramic" is regarded as a special condition by the HPD collaborative and not screened. Ceramic tile is considered a single component created by the high temperature in the kiln. Ceramic tile does not have residuals or impurities in the finished product. There are no warnings or hazards for ceramic tile.

OTHER PRODUCT NOTES: During the high temperature firing in the kiln, ceramic tile is created as a single component. There are no warnings or hazards for ceramic tile. There are no volatile organic compounds, VOC's.

SILICA, AMORPHOUS

ID: 7631-86-9

%: 45.0000 - 55.0000	GS: LT-P1	RC: None	NANO: No	ROLE: A main ingredient in our pre-fired recycled body ceramic tile.
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: Do to the high temperature firing in the kiln, the finished product is inert and poses no risk.

ALUMINUM OXIDE

ID: 1344-28-1

%: 15.0000 - 25.0000	GS: LT-P1	RC: Both	NANO: No	ROLE: One of the main ingredients in our recycled ceramic tile.
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Do to the high temperature firing in the kiln, the finished product is inert and poses no risk.

FRITS, CHEMICALS (UNLEADED)

ID: 65997-18-4

%: 5.0000 - 15.0000	GS: LT-P1	RC: None	NANO: No	ROLE: One of the main ingredients in our recycled ceramic tile for the body and glazes.
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Do to the high temperature firing in the kiln, the finished product is inert and poses no risk.

FERRIC OXIDE

ID: 1309-37-1

#: **2.0000 - 3.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Used for color of body and glazes.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

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

SUBSTANCE NOTES: Do to the high temperature firing in the kiln, the finished product is inert and poses no risk.

QUARTZ

ID: 14808-60-7

#: **0.0000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Used to help fuse and control shrinkage of body. Used to help chemical resistance of glazes.**

HAZARDS:

AGENCY(IES) WITH 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

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: Do to the high temperature firing in the kiln, the finished product is inert and poses no risk.

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

Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **Aromas, CA.**

CERTIFICATE URL:

<https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32607/693679/Ceramic-Tile-Made-in-North-America?st=1&sl=62551949&crit=a2V5d29yZDpbdGNuYV0%3d&ss=2&k=tcna&t=tcna>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-10-24	2019-10-24	UL Environment Inc. Industry Wide EPD

CERTIFICATION AND COMPLIANCE NOTES: **The EPD is an industry wide certificate for tile made in North America. Ceramic Tile does not give off VOCs.**

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 AND GROUT

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Accessory materials are required for all installations. VOC content of various mortars and grouts depend on the product selected.

Section 5: General Notes

Fireclay Tile's Recycled Body Ceramic Tile does not contain any volatile organic compounds, VOC's. Fireclay Tile recycles our own tile and glaze waste and reincorporates it into our Recycled Clay Body Ceramic Tile. The Recycled Clay Body may qualify for LEED points: MR 4.1/4.2: Recycled Content (1–2 points), MR 5.1/5.2: Regional Materials (2 points), and EQ 4.2: Low-Emitting Materials (1 point). "Ceramic" is regarded as a special condition by the HPD collaborative and not screened. Ceramic Tile is considered as a single component resulting from chemical and physical reactions from the high temperatures reached in the kiln. No warnings or hazards are associated with the final, finished product.



MANUFACTURER INFORMATION

MANUFACTURER: **Fireclay Tile**
ADDRESS: **901 Brannon Street**
San Francisco CA 94019, United States
WEBSITE: **www.fireclaytile.com**

CONTACT NAME: **Paul Burns**
TITLE: **Founder & Chief Ceramicist**
PHONE: **800.773.2226**
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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.