

HPD UNIQUE IDENTIFIER: 21982

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Equus ceramic tile products are made using a high temperature kiln-firing process. For purposes of this HPD, the term “ceramic” encompasses all types of tile products developed by Terratinta Group whith the Equus Series; ceramic and porcelain materials. The individual ingredients used to formulate the tile product (water and mineralbased naturally occurring materials) undergo both physical and chemical reactions that form the final fired tile product. Ceramic tile is fire resistant, durable (lasts a lifetime) and extremely easy to maintain. As floor and wall coverings, ceramic tile products provide dual functions. They serve 1) an esthetic function as a design component, and 2) a technical function as a building finishing material. As a building material, ceramic tile is capable of withstanding a wide range of environmental stresses (non-flammable, heat/cold resistant, and provides a moisture barrier). The versatility of ceramic tile is further enhanced by the extensive ranges of colors, textures, and decorative motifs offered by Terratinta Group under multiple brand names. Tile products are available in a wide range of sizes from less than 1" x 1" to more than 24" x 24". Information on Terratinta Group tile products can be found on the following website: <http://www.terratintagroup.com>

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
- 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

EQUUS | SILICA, VITREOUS LT-1 | CAN ALUMINIUM OXIDE ALLOYS, NICKELS- NoGS SODIUM OXIDE LT-UNK POTASSIUM OXIDE LT-UNK FERRIC OXIDE BM-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END CALCIUM OXIDE (CAO), SOLID SOLN. WITH SILICA, STRONTIUM OXIDE AND ZINC OXIDE, CERIUM AND TERBIUM-DOPED NoGS MAGNESIUM OXIDE LT-UNK | 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:

"Ceramic" is regarded as a special condition by HPD Collaborative and not screened. Ceramic tile is considered one component resulting from the reactions inside the high temperature kiln-firing process. No warnings or hazards are associated with the final, finished product.

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: MAS Certified Green - VOC Content
Recycled content: 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: 2020-09-29

PUBLISHED DATE: 2020-09-29

EXPIRY DATE: 2023-09-29

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

EQUUS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain

OTHER PRODUCT NOTES: None

SILICA, VITREOUS

ID: 60676-86-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-29

%: 70.0000 - 71.6000

GS: LT-1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

SUBSTANCE NOTES: none

ALUMINIUM OXIDE ALLOYS, NICKELS-

ID: 12609-69-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-29

%: 17.0000 - 17.6000

GS: NoGS

RC: None

NANO: Unknown

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: none

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-29

%: 3.0000 - 3.2000

GS: LT-UNK

RC: None

NANO: Unknown

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: none

POTASSIUM OXIDE

ID: 12136-45-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-29

%: 1.0000 - 1.8000

GS: LT-UNK

RC: None

NANO: Unknown

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: none

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-29**%: **0.0000 - 0.6000** GS: **BM-1** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Ceramic body**

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

SUBSTANCE NOTES: **none****TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-29**%: **0.0000 - 0.6000** GS: **LT-1** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Ceramic body**

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: **none****CALCIUM OXIDE (CAO), SOLID SOLN. WITH SILICA, STRONTIUM OXIDE AND ZINC OXIDE, CERIUM AND TERBIUM-DOPED**

ID: 101357-06-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-29**%: **0.0000 - 0.6000** GS: **NoGS** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Ceramic body**

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

SUBSTANCE NOTES: **none****MAGNESIUM OXIDE**

ID: 1309-48-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-29**%: **0.0000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: **none**

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

MAS Certified Green - VOC Content

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-05-02**

EXPIRY DATE:

CERTIFIER OR LAB: **TERRATINTA GROUP SRL**

APPLICABLE FACILITIES: **None**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

RECYCLED CONTENT

Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-09-26**

EXPIRY DATE: **2021-09-25**

CERTIFIER OR LAB: **Institut Bauen und Umwelt e.V. (IBU)**

APPLICABLE FACILITIES: **None**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

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:

None

Section 5: General Notes

All tests and certification, such as LEED, EPD, DOP compliances, can be requested by email at info@terratintagroup.com Terratinta

MANUFACTURER INFORMATION

MANUFACTURER: **Terratinta Group**
 ADDRESS: **Via Monte Bianco 55**
Fiorano Modenese Modena 41042, Italy
 WEBSITE: **www.terratintagroup.com**

CONTACT NAME: **Alessandro Carnovali**
 TITLE: **Quality Manager**
 PHONE: **+390536911408**
 EMAIL: **info@terratintagroup.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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.