

HPD UNIQUE IDENTIFIER: 30134

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Daltile (DT) brand ceramic floor tile products are made using a high temperature kiln-firing process. For purposes of this HPD, the term “ceramic” encompasses both ceramic and porcelain floor tile products manufactured by Daltile. The individual ingredients used to formulate DT floor tile products (primarily water and mineral-based naturally occurring materials) undergo both physical and chemical reactions inside the kiln to form the final inert fired product. These floor tiles are fire resistant, durable (lasts a lifetime) and extremely easy to maintain. As floor (and wall) coverings, they provide dual functions. They serve 1) an esthetic function as a design component, and 2) a technical/structural function as a building finishing material. As a building material, DT floor tiles can withstand a wide range of environmental stresses (e.g., non-flammable, heat/cold resistant - and provide a moisture barrier). Their versatility is further enhanced by the extensive ranges of colors, textures, and decorative motifs offered by Daltile. DT floor tile products are available in a wide range of sizes and shapes from trim pieces all the way up to 24" x 48". This Health Product Declaration is representative of all DT brand floor tile series manufactured in the following facilities: Dallas, TX; Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico; and Salamanca, Mexico. Additional information on Daltile brand floor tile products, including the Safety Data Sheets (SDS's), can be found on the following website: <https://www.daltile.com>.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
	<input type="radio"/> Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
Threshold Disclosed Per		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material			<i>Provided name and CAS RN or other identifier.</i>
<input checked="" type="radio"/> 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
DALTILE FLOOR TILE PRODUCTS (MANUFACTURED) [KAOLIN LT-UNK | CAN | FELDSPAR LT-UNK | MAM QUARTZ BM-1 | CAN | | MAM | GEN NEPHELINE SYENITE LT-UNK | TALC BM-1 | CAN | | MAM CHROMIUM IRON OXIDE LT-P1 | SKI | HAEMATITE LT-UNK ZIRCON (ZR(SiO4)) BM-2 | CHROME RUTILE YELLOW BM-1 | ZINC OXIDE BM-1 | END | MUL | AQU | | MAM | REP C.I. PIGMENT BLACK 27 LT-1 | CAN | RES | GEN | C.I. PIGMENT BLUE 72 LT-1 | CAN | RES | GEN | COBALT NICKEL GRAY PERICLASE LT-1 | MUL | CAN | MAM | C.I. PIGMENT GREEN 26 LT-1 | CAN | RES | GEN | REP | AQU | | MAM | SKI C.I. PIGMENT YELLOW 159 LT-UNK | ZIRCON, IRON CORAL LT-UNK | SILICIC ACID, ZIRCONIUM SALT, CADMIUM PIGMENT-ENCAPSULATED LT-1 | CAN | AQU | CHROME TIN PINK SPHENE LT-UNK |]

Number of Greenscreen BM-4/BM3 contents ... 0
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1, LT-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The finished floor tile is considered one component resulting from the use of a high temperature kiln-firing process that fuses and physically converts the raw materials into the final ceramic product. No hazards are associated with the final fired product during normal use after installation.

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: Inherently non-emitting source per LEED
 Multi-attribute: Environmental Product Declaration (EPD) by NSF
 Multi-attribute: ISO 9001:2015 Quality management systems
 Multi-attribute: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2022-10-11

PUBLISHED DATE: 2022-10-11

EXPIRY DATE: 2025-10-11

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

DALTILE FLOOR TILE PRODUCTS (MANUFACTURED)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

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: During the manufacturing process, a combination of intensely high pressure and very high firing temperatures are used. These techniques create a chemical and physical change in the materials, converting any hazards into a benign, fully vitrified inert ceramic tile product.

KAOLIN

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-10-11 8:06:23

#: 35.0000 - 55.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

FELDSPAR

ID: 68476-25-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-10-11 8:06:24

#: 10.0000 - 30.0000 GreenScreen: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation. The Recycled Content of this material is 60% Pre Consumer.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:25**

%: **0.0000 - 20.0000** GreenScreen: **BM-1** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation. The Recycled Content is 15% Pre Consumer.

NEPHELINE SYENITE

ID: 37244-96-5

%: **0.0000 - 20.0000** GreenScreen: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DFE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation. The Recycled Content of this material is 100% Pre Consumer.

TALCID: **14807-96-6**

%: **0.0000 - 2.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2b - Possibly carcinogenic to humans
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

CHROMIUM IRON OXIDEID: **12737-27-8**

%: **0.0000 - 1.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: This material is used as a colorant in the ceramic body. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

HAEMATITE

ID: 1317-60-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:27**

%: **0.0000 - 0.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Another spelling for this material is Hematite. It is used as a colorant in the ceramic body. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

ZIRCON (ZR(SIO4))

ID: 14940-68-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:28**

%: **0.0000 - 0.3000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:28**

%: **0.0000 - 0.3000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES: This material is used as a colorant in the ceramic body. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

ZINC OXIDE

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:29**

%: **0.0000 - 0.2000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
AQU	GHS - Malaysia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Malaysia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:30**%: **0.0000 - 0.1000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

C.I. PIGMENT BLUE 72

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:30**%: **0.0000 - 0.1000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

COBALT NICKEL GRAY PERICLASE

ID: 68186-89-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:31**

%: **0.0000 - 0.1000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 1 - Substances known to be Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1A - Known human Carcinogen based on human evidence
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
	EC - CEPA DSL	Persistent
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Another name for this material is C.I. Pigment Black 25. This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

C.I. PIGMENT GREEN 26

ID: 68187-49-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:32**

%: **0.0000 - 0.1000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a
REP	GHS - Australia	H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
	EC - CEPA DSL	Persistent
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
AQU	GHS - Korea	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

C.I. PIGMENT YELLOW 159

ID: **68187-15-5**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-11 8:06:32		
%: 0.0000 - 0.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
	EC - CEPA DSL	Persistent		

ADDITIONAL LISTINGS

AGENCY

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

ZIRCON, IRON CORAL

ID: 68187-13-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:33**%: **0.0000 - 0.1000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

EC - CEPA DSL

Persistent

ADDITIONAL LISTINGS

AGENCY

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

SILICIC ACID, ZIRCONIUM SALT, CADMIUM PIGMENT-ENCAPSULATED

ID: 102184-95-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:33**%: **0.0000 - 0.0500** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CAN

US CDC - Occupational Carcinogens

Occupational Carcinogen

CAN

IARC

Group 1 - Agent is Carcinogenic to humans

CAN

CA EPA - Prop 65

Carcinogen

CAN

US NIH - Report on Carcinogens

Known to be a human Carcinogen

CAN

GHS - Korea

H350 - May cause cancer [Carcinogenicity - Category 1]

AQU

EU - GHS (H-Statements) Annex 6 Table 3-1

H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]

AQU

EU - GHS (H-Statements) Annex 6 Table 3-1

H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]

EC - CEPA DSL

Persistent

AQU

GHS - Korea

H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]

AQU

GHS - Korea

H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

CHROME TIN PINK SPHENE

ID: 68187-12-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:34**

%: **0.0000 - 0.0500** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This material is used as a colorant in the ceramic glaze. The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

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	Inherently non-emitting source per LEED	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Dallas, TX; Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico; Salamanca, Mexico. CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Inherently Non-Emitting.	ISSUE DATE: 2022-08-18 EXPIRY DATE:	CERTIFIER OR LAB: None
MULTI-ATTRIBUTE	Environmental Product Declaration (EPD) by NSF	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico; Salamanca, Mexico. CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Product Specific Type III Third Party Certified. Dickson, TN - https://info.nsf.org/Certified/Sustain/ProdCert/EPD10190.pdf ; Florence, AL - https://info.nsf.org/Certified/Sustain/ProdCert/EPD10193.pdf ; Monterrey, MX - https://info.nsf.org/Certified/Sustain/ProdCert/EPD10197.pdf ; Muskogee, OK - https://info.nsf.org/Certified/Sustain/ProdCert/EPD10199.pdf ; Salamanca, MX - https://info.nsf.org/Certified/Sustain/ProdCert/EPD10200.pdf ; Sunnyvale, TX - https://info.nsf.org/Certified/Sustain/ProdCert/EPD10201.pdf	ISSUE DATE: 2019-05-17 EXPIRY DATE:	CERTIFIER OR LAB: NSF Certification LLC
MULTI-ATTRIBUTE	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Dickson, TN CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com	ISSUE DATE: 2017-10-03 EXPIRY DATE:	CERTIFIER OR LAB: DQS Inc.
MULTI-ATTRIBUTE	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Florence, AL CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com	ISSUE DATE: 2018-09-29 EXPIRY DATE:	CERTIFIER OR LAB: DQS Inc.
MULTI-ATTRIBUTE	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Muskogee, OK CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com	ISSUE DATE: 2008-02-25 EXPIRY DATE:	CERTIFIER OR LAB: DQS Inc.
MULTI-ATTRIBUTE	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Sunnyvale, TX CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com	ISSUE DATE: 2018-03-07 EXPIRY DATE:	CERTIFIER OR LAB: DQS Inc.
MULTI-ATTRIBUTE	ISO 9001:2015 Quality management systems	

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Monterrey, Mexico;
Salamanca, Mexico
CERTIFICATE URL:

ISSUE DATE: 2021-04-30
EXPIRY DATE:

CERTIFIER OR LAB: TUV
Rheinland of North America, Inc.

CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com

MULTI-ATTRIBUTE

ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Monterrey, Mexico;
Salamanca, Mexico
CERTIFICATE URL:

ISSUE DATE: 2022-02-11
EXPIRY DATE:

CERTIFIER OR LAB: TUV
Rheinland of North America, Inc.

CERTIFICATION AND COMPLIANCE NOTES: Plants have upgraded to ISO 14001:2015. Certificate available upon request cathleen_smith@mohawkind.com

MULTI-ATTRIBUTE

ILFI Declare - Red List Free

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Dallas, TX; Dickson, TN;
Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey,
Mexico; Salamanca, Mexico.
CERTIFICATE URL: <https://declare.living-future.org/products/ceramic-and-porcelain-floor-tiles>

ISSUE DATE: 2022-10-05
EXPIRY DATE:

CERTIFIER OR LAB: ILFI

CERTIFICATION AND COMPLIANCE NOTES: Declare Label issued by ILFI.

+ 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

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available

ACCESSORY TYPE: Adhesive

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Accessory materials are required for all installations. VOC content of the adhesive and/or grout varies depending on the type and brand chosen.

+ Section 5: General Notes

Mohawk Industries – Daltille's Parent Company, has published a LEED compliant Corporate Sustainability Report. This document can be found at the following website: https://mohawkind.com/_pdf/Mohawk_2021_ESG_Report.pdf

MANUFACTURER INFORMATION

MANUFACTURER: Dal-Tile, LLC
ADDRESS: 7834 CF Hawn Freeway
 Dallas TX 75217, USA
WEBSITE: www.daltile.com

CONTACT NAME: Cathleen Smith
TITLE: Sustainability & Compliance Engineer - EH/S
PHONE: 214-309-4816
EMAIL: cathleen_smith@mohawkind.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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.