

HPD UNIQUE IDENTIFIER: 365682925568

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Marazzi USA (MZ) 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 Marazzi USA. The individual ingredients used to formulate MZ 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, MZ 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 Marazzi USA. MZ 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 MZ 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 Marazzi USA brand floor tile products, including the Safety Data Sheets (SDS's), can be found on the following website: <https://www.marazziusa.com>.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

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

MARAZZI USA 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 | PBT | AQU CHROME TIN PINK SPHENE
LT-UNK C.I. PIGMENT RED 108 LT-1 | CAN | PBT | MUL | GEN | MAM |
AQU | REP]

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. This HPD does not cover any individual Marazzi USA Floor products that contain Microban technology.

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: ISO 9001:2015 Quality management systems

Multi-attribute: ISO 9001:2015 Quality management systems

Multi-attribute: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

☐ Yes

☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-09-25

PUBLISHED DATE: 2025-09-25

EXPIRY DATE: 2028-09-25

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

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.	

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-09-25 16:34:11		
%: 35.0000 - 55.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Ceramic body
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		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.

ID: 68476-25-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-25 16:34:12	
%: 10.0000 - 30.0000	GreenScreen: LT-UNK	RC: PreC	NANO: No	SUBSTANCE ROLE: Ceramic body
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MAM	GHS - New Zealand		Specific target organ toxicity - repeated exposure category 1	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		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: 2025-09-25 16:34:13

%: 0.0000 - 20.0000

GreenScreen: BM-1

RC: PreC

NANO: No

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	LIST NAME AND SOURCE	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	US NIH - Report on Carcinogens	Known to be a human Carcinogen
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
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	LIST NAME AND SOURCE	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

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-25 16:34:13	
%: 0.0000 - 20.0000	GreenScreen: LT-UNK	RC: PreC	NANO: No	SUBSTANCE ROLE: Ceramic body
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	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 100% Pre Consumer.				

TALC

ID: 14807-96-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-25 16:34:13	
%: 0.0000 - 2.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Ceramic body
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
CAN	IARC		Group 2a - Agent is probably Carcinogenic to humans	
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	LIST NAME AND SOURCE		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 OXIDE

ID: 12737-27-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-25 16:34:12	
?: 0.0000 - 1.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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: 2025-09-25 16:34:12	
%: 0.0000 - 0.5000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	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: 2025-09-25 16:34:13	
%: 0.0000 - 0.5000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Glaze
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	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.		

CHROME RUTILE YELLOW

ID: 68186-90-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-09-25 16:34:13		
%: 0.0000 - 0.3000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Children's Products		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Cosmetics & Personal Care Products		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025		
		Children's Toy 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

ID: 1314-13-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-09-25 16:34:14		
%: 0.0000 - 0.2000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Glaze

HAZARD TYPE	LIST NAME AND SOURCE	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]
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]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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: 2025-09-25 16:34:14

%: 0.0000 - 0.1000

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	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
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-09-25 16:34:15

%: 0.0000 - 0.1000

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	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

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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: **2025-09-25 16:34:15**

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

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
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]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1A

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

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: 2025-09-25 16:34:16	
%: 0.0000 - 0.1000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	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]
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	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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: **2025-09-25 16:34:16**

%: 0.0000 - 0.1000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	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: 2025-09-25 16:34:15

%: 0.0000 - 0.1000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	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: 2025-09-25 16:34:15

%: 0.0000 - 0.0500

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
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]
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	LIST NAME AND SOURCE	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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.0 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 v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Footwear, Apparel & Jewelry Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Electronics (RoHS)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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: 2025-09-25 16:34:15	
#: 0.0000 - 0.0500	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Another name for this material is C.I. Pigment Red 233. 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 RED 108			ID: 58339-34-7		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-25 16:34:16		
?: 0.0000 - 0.0500	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
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
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	GHS - Korea	H350 - May cause cancer [Carcinogenicity - Category 1]
CAN	GHS - New Zealand	Carcinogenicity category 1
GEN	GHS - Australia	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	Acute inhalation toxicity category 3
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]
REP	GHS - Australia	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - New Zealand	Acute oral toxicity category 3
MAM	GHS - Korea	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	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 (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Footwear, Apparel & Jewelry Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Electronics (RoHS)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy 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.

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		ISSUE DATE: 2022-08-18 00:00:00	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: Dallas, TX; Dickson, TN;		EXPIRY DATE:	
Florence, AL; Muskogee, OK; Sunnysvale, TX; Monterrey, Mexico; Salamanca, Mexico.			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Inherently Non-Emitting.			
MULTI-ATTRIBUTE		ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2017-10-03 00:00:00	CERTIFIER OR LAB: DQS Inc.
APPLICABLE FACILITIES: Dickson, TN		EXPIRY DATE:	
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com			
MULTI-ATTRIBUTE		ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2018-09-29 00:00:00	CERTIFIER OR LAB: DQS Inc.
APPLICABLE FACILITIES: Florence, AL		EXPIRY DATE:	
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com			
MULTI-ATTRIBUTE		ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2008-02-25 00:00:00	CERTIFIER OR LAB: DQS Inc.
APPLICABLE FACILITIES: Muskogee, OK		EXPIRY DATE:	
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com			
MULTI-ATTRIBUTE		ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2018-03-07 00:00:00	CERTIFIER OR LAB: DQS Inc.
APPLICABLE FACILITIES: Sunnysvale, TX		EXPIRY DATE:	
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com			
MULTI-ATTRIBUTE		ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2021-04-30 00:00:00	CERTIFIER OR LAB: TUV
APPLICABLE FACILITIES: Monterrey, Mexico; Salamanca, Mexico		EXPIRY DATE:	Rheinland of North America, Inc.
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate available upon request cathleen_smith@mohawkind.com			
MULTI-ATTRIBUTE		ISO 14001:2004 Environmental management systems	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2022-02-11 00:00:00	CERTIFIER OR LAB: TUV
APPLICABLE FACILITIES: Monterrey, Mexico; Salamanca, Mexico		EXPIRY DATE:	Rheinland of North America, Inc.
CERTIFICATE URL:			
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		ISSUE DATE: 2022-10-05 00:00:00	CERTIFIER OR LAB: ILFI
APPLICABLE FACILITIES: Dallas, TX; Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico; Salamanca, Mexico.		EXPIRY DATE:	
CERTIFICATE URL: https://declare.living-future.org/products/ceramic-and-porcelain-floor-tiles-2			
CERTIFICATION AND COMPLIANCE NOTES: Declare Label issued by ILFI.			

MULTI-ATTRIBUTE		Environmental Product Declaration (EPD) by EPD International AB	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2025-09-16 00:00:00	CERTIFIER OR LAB: EPD
APPLICABLE FACILITIES: Dallas, TX; Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico; Salamanca, Mexico.		EXPIRY DATE: 2030-09-16 00:00:00	International
CERTIFICATE URL: https://environdec.com/library			
CERTIFICATION AND COMPLIANCE NOTES: Product Specific Type III Third Party Certified.			

MULTI-ATTRIBUTE		Green Squared Certification	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2025-07-31 00:00:00	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: Dallas, TX; Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico; Salamanca, Mexico.		EXPIRY DATE:	Services
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?program=275			
CERTIFICATION AND COMPLIANCE NOTES: Under the Green Squared certification standard, products are evaluated based on successful conformance with criteria under five categories: Product Characteristics, Manufacturing and Raw Material Extraction, End of Product Life Management, Progressive Corporate Governance, and Innovation.			

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 – Marazzi USA's Parent Company, has published a LEED compliant Corporate Sustainability Report. This document can be found at the following website: <https://mohawkind.com/esg>

MANUFACTURER INFORMATION

MANUFACTURER: **Dal-Tile, LLC**
ADDRESS: **7834 CF Hawn Freeway**
Dallas, TX 75217
COUNTRY: **USA**

WEBSITE: **www.marazziusa.com**
CONTACT NAME: **Cathleen Smith**
TITLE: **Sr. Sustainability Engineer - E&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

