

**HPD UNIQUE IDENTIFIER:** 926649158656

**CLASSIFICATION:** 09 30 13 Ceramic Tiling

**PRODUCT DESCRIPTION:** Ragno 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 Ragno. The individual ingredients used to formulate Ragno 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, Ragno 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 Ragno. Ragno 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 Ragno brand floor tile series manufactured in the following facilities: Dallas, TX; Dickson, TN; Florence, AL; Muskogee, OK; Sunnyvale, TX; and Monterrey, Mexico. Additional information on Ragno brand floor tile products, including the Safety Data Sheets (SDS's), can be found on the following website: <https://www.ragnousa.com>.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

**RAGNO 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.

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](http://www.hpd-collaborative.org/hpd-2-3-standard)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes |
| <p>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.</p> <p>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.</p> |                                                    |

## ID: 1332-58-7

|                                                                  |                            |                 |                                                                                              |                                     |
|------------------------------------------------------------------|----------------------------|-----------------|----------------------------------------------------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-09-25 15:49:36</b>                                            |                                     |
| %: <b>35.0000 - 55.0000</b>                                      | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                                                              | SUBSTANCE ROLE: <b>Ceramic body</b> |
| 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: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-09-25 15:49:36</b>             |                                     |
| %: <b>10.0000 - 30.0000</b>                                      | GreenScreen: <b>LT-UNK</b> | RC: <b>PreC</b> | NANO: <b>No</b>                                               | SUBSTANCE ROLE: <b>Ceramic body</b> |
| 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 15:49:37

%: 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: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                                                                                                          |                            |                                                | HAZARD SCREENING DATE: <b>2025-09-25 15:49:37</b> |                                     |
| %: <b>0.0000 - 20.0000</b>                                                                                                                                                                                                                                                                                                                                                | GreenScreen: <b>LT-UNK</b> | RC: <b>PreC</b>                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Ceramic body</b> |
| 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: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                                              |                          |                 | HAZARD SCREENING DATE: <b>2025-09-25 15:49:38</b>                                                                                                         |                                     |
| %: <b>0.0000 - 2.0000</b>                                                                                                                                                                                                                                                                                     | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Ceramic body</b> |
| 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: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2025-09-25 15:49:37</b> |                                |
| ?: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |

| 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<br><br>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<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2025-09-25 15:49:37</b> |                                |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|---------------------------------------------------|--------------------------------|
| %: <b>0.0000 - 0.5000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| 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: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2025-09-25 15:49:38</b> |                              |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|---------------------------------------------------|------------------------------|
| %: <b>0.0000 - 0.5000</b>                                        | GreenScreen: <b>BM-2</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Glaze</b> |
| 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 |
| <p>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.</p> |                      |                                              |

CHROME RUTILE YELLOW

ID: 68186-90-3

|                                                                  |                                                         |                                                                                               |                 |                                |
|------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         | HAZARD SCREENING DATE: <b>2025-09-25 15:49:38</b>                                             |                 |                                |
| %: <b>0.0000 - 0.3000</b>                                        | GreenScreen: <b>BM-1</b>                                | RC: <b>None</b>                                                                               | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |
| 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: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-09-25 15:49:39</b> |                 |                              |
| %: <b>0.0000 - 0.2000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Glaze</b> |

| 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<br><br>Antimicrobials                                                                                            |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                      | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>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<br><br>Children's Products                               |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                      | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products                                      |
| <p>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.</p> |                                                         |                                                                                                                                                        |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-09-25 15:49:38

%: 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<br><br>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<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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 15:49:39

%: 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<br><br>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<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                         | HAZARD SCREENING DATE: <b>2025-09-25 15:49:39</b> |                                |
|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-1</b>                  | RC: <b>None</b>                                                                                                                         | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| 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<br><br>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<br><br>Formulated Consumer Products |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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 15:49:40 |          |                         |
| %: 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<br><br>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<br><br>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<br><br>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<br><br>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.

%: 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 15:49:39

%: 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 15:49:39

%: 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<br><br>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<br><br>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<br><br>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<br><br>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<br><br>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<br><br>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<br><br>Electronics (RoHS)                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-09-25 15:49:40</b> |                 |                                |
| %: <b>0.0000 - 0.0500</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |
| 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 15:49:40

?: 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<br><br>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<br><br>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<br><br>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<br><br>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<br><br>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<br><br>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<br><br>Electronics (RoHS)                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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; Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey, Mexico.                               |  | EXPIRY DATE:                                                    |                                  |
| 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: Sunnyvale, 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                                                                                                    |  | 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                                                                                                    |  | 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                                                                                                                             |  | Environmental Product Declaration (EPD) by EPD International AB |                                  |

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Dallas, TX; Dickson, TN;  
Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey,  
Mexico; Salamanca, Mexico.  
CERTIFICATE URL: <https://environdec.com/library>

ISSUE DATE: 2025-09-16 00:00:00  
EXPIRY DATE: 2030-09-16 00:00:00

CERTIFIER OR LAB: EPD  
International

CERTIFICATION AND COMPLIANCE NOTES: Product Specific Type III Third Party Certified.

| MULTI-ATTRIBUTE                                                                                                                                                                                                                                                                                                                                                        | Green Squared Certification                     |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------|
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: Dallas, TX; Dickson, TN;<br>Florence, AL; Muskogee, OK; Sunnyvale, TX; Monterrey,<br>Mexico; Salamanca, Mexico.<br>CERTIFICATE URL:<br><a href="https://www.scsglobalservices.com/certified-green-products-guide?program=275">https://www.scsglobalservices.com/certified-green-products-guide?program=275</a> | ISSUE DATE: 2025-07-31 00:00:00<br>EXPIRY DATE: | CERTIFIER OR LAB: SCS Global<br>Services |
| 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 – Ragno'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**

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*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

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

### GreenScreen (GS)

|                                                                     |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

### Recycled Types

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

|                                           |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> | Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b>  | Substances listed within each material per threshold indicated per product  |
| <b>Basic Method / Product Threshold</b>   | Substances listed individually per threshold indicated per product          |

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Nano</b>                  | Composed of nano scale particles or nanotechnology         |
| <b>Third Party Verified</b>  | Verification by independent certifier approved by HPDC     |
| <b>Preparer</b>              | Third party preparer, if not self-prepared by manufacturer |
| <b>Applicable facilities</b> | 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*

