



# HPD

## CERTIFICATION

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# TEXTILE COLLECTION

Porcelain Tile  
by Portobello America

Health Product  
Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 351310193664

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Tiles are manufactured to have a water absorption of 0.5% or less. This includes calibrated, rectified, and polished products. This HPD covers all ANSI A137.1 compliant porcelain tiles made at the Baxter, Tennessee facility. This would include first and second grade products where applicable.

## Section 1: Summary

## Basic Method / Product Threshold

### CONTENT INVENTORY

#### Inventory Reporting Format

- ☐ Nested Materials Method  
☒ Basic Method

#### Threshold Disclosed Per

- ☐ Material  
☒ Product

#### Threshold Level

- ☒ 100 ppm  
☐ 1,000 ppm  
☐ Per GHS SDS  
☐ Other

#### Residuals/Impurities Evaluation

- ☒ Completed  
☐ Partially Completed  
☐ Not Completed

#### Explanation(s) provided :

- ☒ Yes ☐ No

For all contents above the threshold, the manufacturer has:

**Characterized** ☒ Yes ☐ No

Provided weight and role.

**Screened** ☒ Yes ☐ No

Provided screening results using HPDC-approved methods.

**Identified** ☒ Yes ☐ No

Provided name and CAS RN or other identifier.

### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE**  
**PORCELAIN TILE | QUARTZ BM-1\*** CAN | MAM | GEN **ALBITE ((NA,CA)ALSI3O8) NoGS FELDSPAR LT-UNK** MAM **ALUMINUM OXIDE BM-2** MAM **FELDSPAR DUST NoGS PYROXENE-GROUP MINERALS NoGS IRON OXIDE BM-1** CAN | MAM **MUSCOVITE LT-1** CAN **KAOLINITE NoGS NEPHELINE NoGS MICA LT-UNK** MAM **ILLITE NoGS TITANIUM DIOXIDE BM-1\*** CAN | END | MAM **HYDROXYLS NoGS POTASSIUM OXIDE BM-2 ZIRCON (ZR(SiO4)) BM-2** **NATURALLY OCCURRING SUBSTANCES (CLAY) NoGS FRITS, CHEMICALS LT-P1** MUL **SODIUM SILICATE LT-P1** END | SKI | EYE **CLAY LT-UNK** CAN **LIBBY AMPHIBOLE ASBESTOS LT-1** CAN **WATER BM-4 SODALITE NoGS ZEOLITES OTHER THAN ERIONITE (CLINOPTILOLITE, PHILLIPSITE, MORDENITE, NON-FIBROUS JAPANESE ZEOLITE, SYNTHETIC ZEOLITES) LT-UNK** MAM **CERAMIC MATERIALS AND WARES, CHEMICALS LT-UNK** MUL **ILMENITE NoGS MAGNETITE (Fe3O4) LT-UNK** CAN **CARBON BLACK BM-1\*** CAN | EYE | MAM | PHY **SULFUR TRIOXIDE BM-2** MAM **C.I. PIGMENT BLUE 73 LT-UNK C.I. PIGMENT BLACK 27 LT-1** CAN | RES | GEN **C.I. PIGMENT BROWN 33 LT-UNK PHOSPHORUS OXIDE (P2O5) LT-P1** SKI | EYE | MAM **HEXADECANOIC ACID, 2-ETHYLHEXYL ESTER NoGS CALCIUM CARBONATE BM-3** EYE **ALUMINUM HYDROXIDE BM-2** SKI | EYE **ZINC OXIDE BM-1** END | MUL | AQU | MAM | REP **SODIUM OXIDE BM-2 CALCIUM OXIDE BM-2** SKI | MAM | EYE **MAGNESIUM OXIDE BM-3dg** CAN | MAM **TALC BM-1** CAN | MAM **CALCIUM CARBONATE BM-3dg HYDROTREATED HEAVY NAPHTHENIC DISTILLATES LT-1** CAN | PBT | MUL | SKI | DEV **CHROMIUM OXIDE (CR2O3) BM-1** SKI | MAM **C.I. PIGMENT BLUE 28 LT-1** CAN | RES | GEN **BORAX DECAHYDRATE, DISODIUM TETRABORATE DECAHYDRATE LT-1** END | REP | MUL | MAM | EYE | SKI **CALCIUM MAGNESIUM CARBONATE NoGS**

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ...

BM-1, LT-1, LT-P1

Nanomaterial ... No

### INVENTORY AND SCREENING NOTES:

\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.



VOC Content data is not applicable for this product category.

*listings.*

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

**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: 2024-05-10

PUBLISHED DATE: 2024-05-10

EXPIRY DATE: 2027-05-10



## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### PORCELAIN TILE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities were considered during the supplier engagement on disclosure of ingredients.

OTHER PRODUCT NOTES:

### QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-05-10 6:55:17

%. 25.0000 - 45.0000

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: This substance comes from multiple sources so the Portobello Porcelain tile contains both virgin quartz and quartz from manufacturing scrap.

**\*\*Form-Specific Hazard:** This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

## ALBITE ((NA,CA)ALSi3O8)

ID: 12244-10-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:18**

#: **15.0000 - 25.0000** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled albite from manufacturing scrap.

## FELDSPAR

ID: 68476-25-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:18**

#: **5.0000 - 15.0000** GreenScreen: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                                      |
|-------------|----------------------|---------------------------------------------------------------|
| MAM         | GHS - New Zealand    | Specific target organ toxicity - repeated exposure category 1 |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: This substance comes from multiple sources so the Portobello Porcelain tile contains both virgin feldspar and feldspar from manufacturing scrap.

## ALUMINUM OXIDE

ID: 1344-28-1



| HAZARD TYPE                                                                                                                                                                   | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAM                                                                                                                                                                           | GHS - Japan                                             | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| MAM                                                                                                                                                                           | GHS - Japan                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| ADDITIONAL LISTINGS                                                                                                                                                           | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                                                                                                                               | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                                    |
| SUBSTANCE NOTES: This substance comes from multiple sources so the Portobello Porcelain tile contains both virgin aluminum oxide and aluminum oxide from manufacturing scrap. |                                                         |                                                                                                                                                           |

## FELDSPAR DUST

ID: 12168-80-8

|                                                                                                                       |                      |          |                                                |                              |
|-----------------------------------------------------------------------------------------------------------------------|----------------------|----------|------------------------------------------------|------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                             |                      |          | HAZARD SCREENING DATE: 2024-05-10 6:55:19      |                              |
| %: 0.0000 - 15.0000                                                                                                   | GreenScreen: NoGS    | RC: PreC | NANO: No                                       | SUBSTANCE ROLE: Ceramic body |
| HAZARD TYPE                                                                                                           | LIST NAME AND SOURCE |          | WARNINGS                                       |                              |
| None found                                                                                                            |                      |          | No warnings found on HPD Priority Hazard Lists |                              |
| ADDITIONAL LISTINGS                                                                                                   | LIST NAME AND SOURCE |          | NOTIFICATION                                   |                              |
| None found                                                                                                            |                      |          | No listings found on Additional Hazard Lists   |                              |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled feldspar dust from manufacturing scrap. |                      |          |                                                |                              |

## PYROXENE-GROUP MINERALS

ID: 12174-37-7

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2024-05-10 6:55:18</b> |                 |                                     |
|------------------------------------------------------------------|--------------------------|--------------------------------------------------|-----------------|-------------------------------------|
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>NoGS</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 Portobello Porcelain tile contains pre-consumer recycled albite from manufacturing scrap.

## IRON OXIDE

ID: 1309-37-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:18**

| %: <b>0.0000 - 5.0000</b> | GreenScreen: <b>BM-1</b> | RC: <b>PreC</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                                                              |                 |                                     |
| 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: This substance comes from multiple sources so the Portobello Porcelain tile contains both virgin iron oxide and iron oxide from manufacturing scrap.

## MUSCOVITE

ID: 1318-94-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:18**

| %: <b>0.0000 - 5.0000</b> | GreenScreen: <b>LT-1</b>       | RC: <b>PreC</b>                                                               | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ceramic body</b> |
|---------------------------|--------------------------------|-------------------------------------------------------------------------------|-----------------|-------------------------------------|
| HAZARD TYPE               | LIST NAME AND SOURCE           | WARNINGS                                                                      |                 |                                     |
| 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 |                 |                                     |
| ADDITIONAL LISTINGS       | LIST NAME AND SOURCE           | NOTIFICATION                                                                  |                 |                                     |
| None found                |                                | No listings found on Additional Hazard Lists                                  |                 |                                     |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled muscovite from manufacturing scrap.



## KAOLINITE

ID: 1318-74-7

|                                                                                                                                                                     |                          |                 |                                                  |                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|-------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                    |                          |                 | HAZARD SCREENING DATE: <b>2024-05-10 6:55:19</b> |                                     |  |
| %: <b>0.0000 - 5.0000</b>                                                                                                                                           | GreenScreen: <b>NoGS</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: This substance comes from multiple sources so the Portobello Porcelain tile contains both virgin kaolinite and kaolinite from manufacturing scrap. |                          |                 |                                                  |                                     |  |

## NEPHELINE

ID: 1302-72-3

|                                                                                                                   |                          |                 |                                                  |                                     |  |
|-------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|-------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                  |                          |                 | HAZARD SCREENING DATE: <b>2024-05-10 6:55:19</b> |                                     |  |
| %: <b>0.0000 - 5.0000</b>                                                                                         | GreenScreen: <b>NoGS</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 Portobello Porcelain tile contains pre-consumer recycled nepheline from manufacturing scrap. |                          |                 |                                                  |                                     |  |

## MICA

ID: 12001-26-2

|                                                                                                              |                            |                 |                                                                                                                                                           |                                     |  |
|--------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                             |                            |                 | HAZARD SCREENING DATE: <b>2024-05-10 6:55:19</b>                                                                                                          |                                     |  |
| %: <b>0.0000 - 5.0000</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 - Japan                |                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                     |  |
| ADDITIONAL LISTINGS                                                                                          | LIST NAME AND SOURCE       |                 | NOTIFICATION                                                                                                                                              |                                     |  |
| None found                                                                                                   |                            |                 | No listings found on Additional Hazard Lists                                                                                                              |                                     |  |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled mica from manufacturing scrap. |                            |                 |                                                                                                                                                           |                                     |  |



## ILLITE

ID: 12173-60-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:20**

?: **0.0000 - 5.0000** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled illite from manufacturing scrap.

## TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:20**

?: **0.0000 - 5.0000** 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         | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**                                                                            |
| CAN         | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**                                                      |
| END         | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor**                                                                                                                             |
| CAN         | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**                                                                          |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans**                                                                                                                |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**                                                                                         |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**                                                                                         |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]** |



| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                          |
|---------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 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 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)            | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br><br>Colorants - Green Circle (Verified Low Concern)                           |

SUBSTANCE NOTES: This substance comes from multiple sources so the Portobello Porcelain tile contains both virgin titanium dioxide and titanium dioxide from manufacturing scrap.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPD's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

## HYDROXYLS

ID: 3352-57-6

|                                                                  |                          |                                                |                                                  |                                     |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:20</b> |                                     |
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>None</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:

## POTASSIUM OXIDE

ID: 12136-45-7

|                                                                  |                          |                                                |                                                  |                                     |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</b> |                                     |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>BM-2</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 Portobello Porcelain tile contains pre-consumer recycled potassium oxide from manufacturing scrap.

## ZIRCON (Zr(SiO<sub>4</sub>))

ID: 14940-68-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:20**

%: **0.0000 - 1.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Glaze**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

## NATURALLY OCCURRING SUBSTANCES (CLAY)

ID: 999999-99-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:20**

%: **0.0000 - 1.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Glaze**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

## FRITS, CHEMICALS

ID: 65997-18-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:20**

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

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                          |
|-------------|---------------------------------------------|-----------------------------------|
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:



SODIUM SILICATE

ID: 1344-09-8

|                                                                                                                         |                                       |                                                                                                      |                 |                                     |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                        |                                       | HAZARD SCREENING DATE: <b>2024-05-10 6:55:20</b>                                                     |                 |                                     |
| %: <b>0.0000 - 1.0000</b>                                                                                               | GreenScreen: <b>LT-P1</b>             | RC: <b>PreC</b>                                                                                      | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ceramic body</b> |
| HAZARD TYPE                                                                                                             | LIST NAME AND SOURCE                  | WARNINGS                                                                                             |                 |                                     |
| END                                                                                                                     | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor                                                                        |                 |                                     |
| SKI                                                                                                                     | GHS - New Zealand                     | Skin corrosion category 1C                                                                           |                 |                                     |
| EYE                                                                                                                     | GHS - New Zealand                     | Serious eye damage category 1                                                                        |                 |                                     |
| SKI                                                                                                                     | GHS - Australia                       | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |                 |                                     |
| ADDITIONAL LISTINGS                                                                                                     | LIST NAME AND SOURCE                  | NOTIFICATION                                                                                         |                 |                                     |
| RESTRICTED LIST                                                                                                         | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List                                                                |                 |                                     |
|                                                                                                                         |                                       | Antimicrobials                                                                                       |                 |                                     |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled sodium silicate from manufacturing scrap. |                                       |                                                                                                      |                 |                                     |

CLAY

ID: 1332-58-7

|                                                                                                              |                            |                                                                                              |                 |                                     |
|--------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------|-----------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                             |                            | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</b>                                             |                 |                                     |
| %: <b>0.0000 - 1.0000</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                                                                                     |                 |                                     |
| 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 Portobello Porcelain tile contains pre-consumer recycled clay from manufacturing scrap. |                            |                                                                                              |                 |                                     |

LIBBY AMPHIBOLE ASBESTOS

ID: 1318-09-8

|                                                                  |                           |                                                  |                 |                                     |
|------------------------------------------------------------------|---------------------------|--------------------------------------------------|-----------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</b> |                 |                                     |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>LT-1</b>  | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ceramic body</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE      | WARNINGS                                         |                 |                                     |
| CAN                                                              | US EPA - IRIS Carcinogens | (1999, 2005) Carcinogenic to humans              |                 |                                     |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE      | NOTIFICATION                                     |                 |                                     |
| None found                                                       |                           | No listings found on Additional Hazard Lists     |                 |                                     |



SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled libby amphibole asbestos from manufacturing scrap.

## WATER

ID: 7732-18-5

|                                                                  |                                              |                                                                                       |                                                  |                                     |
|------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                              |                                                                                       | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</b> |                                     |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>BM-4</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                                                                          |                                                  |                                     |
| EXEMPT                                                           | European Union / European Commission (EU EC) | EU - REACH Exemptions<br>Exempted from REACH Annex IV listing due to intrinsic safety |                                                  |                                     |

SUBSTANCE NOTES: This substance comes from multiple sources so the Portobello Porcelain tile has water that is recycled within the plant and used to create the tiles and also water from manufacturing scrap.

## SODALITE

ID: 1302-90-5

|                                                                  |                          |                                                |                                                  |                                     |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</b> |                                     |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>NoGS</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 Portobello Porcelain tile contains pre-consumer recycled sodalite from manufacturing scrap.

## ZEOLITES OTHER THAN ERIONITE (CLINOPTILOLITE, PHILLIPSITE, MORDENITE, NON-FIBROUS JAPANESE ZEOLITE, SYNTHETIC ZEOLITES)

ID: 1318-02-1

|                                                                  |                            |                 |                                                  |                                     |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</b> |                                     |
| %: <b>0.0000 - 1.0000</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        |                                                  |                                     |



| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled zeolites from manufacturing scrap.

#### CERAMIC MATERIALS AND WARES, CHEMICALS

ID: 66402-68-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:21**

%: **0.0000 - 1.0000** GreenScreen: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                   |
|-------------|---------------------------------------------|----------------------------|
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                         | NOTIFICATION                                                                         |
|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------|
| EXEMPT              | European Union / European Commission (EU EC) | EU - REACH Exemptions<br>Exempted from REACH Annex V listing due to intrinsic safety |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled ceramic materials and wares, chemicals from manufacturing scrap.

#### ILMENITE

ID: 12168-52-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:21**

%: **0.0000 - 1.0000** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled ilmenite from manufacturing scrap.

#### MAGNETITE (FE3O4)

ID: 1309-38-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:22**

%: **0.0000 - 1.0000** GreenScreen: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**



| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                                                                     |
|-------------|----------------------|----------------------------------------------------------------------------------------------|
| CAN         | MAK                  | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled magnetite from manufacturing scrap.

## CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:22**

%: **0.0000 - 0.1000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE              | WARNINGS                                                                                                                                                    |
|-------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen**                                                                                                                                   |
| 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 2b - Possibly carcinogenic to humans**                                                                                                                |
| EYE         | GHS - New Zealand                 | Eye irritation category 2**                                                                                                                                 |
| CAN         | GHS - New Zealand                 | Carcinogenicity category 2**                                                                                                                                |
| CAN         | GHS - Japan                       | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**                                                                                         |
| MAM         | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]** |
| PHY         | GHS - Japan                       | H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]**                                                                  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled carbon black from manufacturing scrap.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

## SULFUR TRIOXIDE

ID: 7446-11-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:22**



|                                                                                                                         |                                               |                   |                                              |                                |                              |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------|----------------------------------------------|--------------------------------|------------------------------|
| %: 0.0000 - 0.1000                                                                                                      |                                               | GreenScreen: BM-2 | RC: PreC                                     | NANO: No                       | SUBSTANCE ROLE: Ceramic body |
| HAZARD TYPE                                                                                                             | LIST NAME AND SOURCE                          |                   |                                              | WARNINGS                       |                              |
| MAM                                                                                                                     | US EPA - EPCRA Extremely Hazardous Substances |                   |                                              | Extremely Hazardous Substances |                              |
| ADDITIONAL LISTINGS                                                                                                     | LIST NAME AND SOURCE                          |                   |                                              | NOTIFICATION                   |                              |
| None found                                                                                                              |                                               |                   | No listings found on Additional Hazard Lists |                                |                              |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled sulfur trioxide from manufacturing scrap. |                                               |                   |                                              |                                |                              |

| C.I. PIGMENT BLUE 73                                      |                      |                                                |          | ID: 68187-40-6          |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2024-05-10 6:55:22      |          |                         |
| %: 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:                                          |                      |                                                |          |                         |

|                                                                  |                                                         |                                                                                             |                 |                                |
|------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------|--------------------------------|
| <b>C.I. PIGMENT BLACK 27</b>                                     |                                                         |                                                                                             |                 | ID: <b>68186-97-0</b>          |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         | HAZARD SCREENING DATE: <b>2024-05-10 6:55:21</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                                                                                    |                 |                                |
| 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                 |                                |
|                                                                  |                                                         | Biological and Environmentally Released Materials                                           |                 |                                |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                 |                                |
|                                                                  |                                                         | Children's Products                                                                         |                 |                                |



## C.I. PIGMENT BROWN 33

ID: 68186-88-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:22**

%: **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:

## PHOSPHORUS OXIDE (P2O5)

ID: 1314-56-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:22**

%: **0.0000 - 0.1000** GreenScreen: **LT-P1** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                             |
|-------------|-------------------------------------------|------------------------------------------------------------------------------------------------------|
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |
| EYE         | GHS - New Zealand                         | Serious eye damage category 1                                                                        |
| EYE         | GHS - Japan                               | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                  |
| SKI         | GHS - Japan                               | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]            |
| SKI         | GHS - Australia                           | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |
| SKI         | GHS - Korea                               | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]              |
| SKI         | GHS - New Zealand                         | Skin corrosion category 1B                                                                           |
| MAM         | Québec CSST - WHMIS 1988                  | Class D1A - Very toxic material causing immediate and serious toxic effects                          |
| MAM         | GHS - Korea                               | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]                                   |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled phosphorus oxide from manufacturing scrap.



HEXADECANOIC ACID, 2-ETHYLHEXYL ESTER

ID: 29806-73-3

|                                                                  |                          |                                                |                                                  |                                |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:22</b> |                                |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>NoGS</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:                                                 |                          |                                                |                                                  |                                |

CALCIUM CARBONATE

ID: 471-34-1

|                                                                  |                          |                                              |                                                  |                              |
|------------------------------------------------------------------|--------------------------|----------------------------------------------|--------------------------------------------------|------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                              | HAZARD SCREENING DATE: <b>2024-05-10 6:55:23</b> |                              |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>BM-3</b> | RC: <b>None</b>                              | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Glaze</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     | WARNINGS                                     |                                                  |                              |
| EYE                                                              | GHS - New Zealand        | Eye irritation category 2                    |                                                  |                              |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     | NOTIFICATION                                 |                                                  |                              |
| None found                                                       |                          | No listings found on Additional Hazard Lists |                                                  |                              |
| SUBSTANCE NOTES:                                                 |                          |                                              |                                                  |                              |

ALUMINUM HYDROXIDE

ID: 21645-51-2

|                                                                  |                                                         |                                                                                             |                 |                              |
|------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------|------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         | HAZARD SCREENING DATE: <b>2024-05-10 6:55:22</b>                                            |                 |                              |
| %: <b>0.0000 - 0.1000</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                                                                                    |                 |                              |
| SKI                                                              | GHS - New Zealand                                       | Skin irritation category 2                                                                  |                 |                              |
| EYE                                                              | GHS - New Zealand                                       | Eye irritation category 2                                                                   |                 |                              |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                |                 |                              |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                 |                              |
|                                                                  |                                                         | Biological and Environmentally Released Materials                                           |                 |                              |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                 |                              |
|                                                                  |                                                         | Children's Products                                                                         |                 |                              |



## ZINC OXIDE

ID: 1314-13-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-05-10 6:55:22

%: 0.0000 - 0.1000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Glaze

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                         |
|---------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                    |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 3 - Severe 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>Antimicrobials                                                                                          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br>Biological and Environmentally Released Materials |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br>Children's Products                               |

SUBSTANCE NOTES:



SODIUM OXIDE

ID: 1313-59-3

|                                                                                                                      |                          |                                                |                                                  |                                     |
|----------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                     |                          |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:23</b> |                                     |
| %: <b>0.0000 - 0.1000</b>                                                                                            | GreenScreen: <b>BM-2</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 Portobello Porcelain tile contains pre-consumer recycled sodium oxide from manufacturing scrap. |                          |                                                |                                                  |                                     |

CALCIUM OXIDE

ID: 1305-78-8

|                                                                                                                       |                                       |                 |                                                                                                                                                           |                                     |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                      |                                       |                 | HAZARD SCREENING DATE: <b>2024-05-10 6:55:23</b>                                                                                                          |                                     |
| %: <b>0.0000 - 0.1000</b>                                                                                             | GreenScreen: <b>BM-2</b>              | RC: <b>PreC</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Ceramic body</b> |
| HAZARD TYPE                                                                                                           | LIST NAME AND SOURCE                  |                 | WARNINGS                                                                                                                                                  |                                     |
| SKI                                                                                                                   | GHS - Australia                       |                 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                                     |
| 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]                                          |                                     |
| SKI                                                                                                                   | GHS - New Zealand                     |                 | Skin corrosion category 1C                                                                                                                                |                                     |
| EYE                                                                                                                   | GHS - New Zealand                     |                 | Serious eye damage category 1                                                                                                                             |                                     |
| EYE                                                                                                                   | GHS - Japan                           |                 | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                                                                       |                                     |
| SKI                                                                                                                   | GHS - Japan                           |                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |                                     |
| EYE                                                                                                                   | GHS - Australia                       |                 | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                                                         |                                     |
| ADDITIONAL LISTINGS                                                                                                   | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                                                                                                                              |                                     |
| RESTRICTED LIST                                                                                                       | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List                                                                                                                     |                                     |
|                                                                                                                       |                                       |                 | Antimicrobials                                                                                                                                            |                                     |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled calcium oxide from manufacturing scrap. |                                       |                 |                                                                                                                                                           |                                     |



|                                                                                                                         |                            |                 |                                                                                                         |                                     |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------------------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                        |                            |                 | HAZARD SCREENING DATE: <b>2024-05-10 6:55:23</b>                                                        |                                     |
| %. <b>0.0000 - 0.1000</b>                                                                                               | GreenScreen: <b>BM-3dg</b> | RC: <b>PreC</b> | NANO: <b>No</b>                                                                                         | SUBSTANCE ROLE: <b>Ceramic body</b> |
| HAZARD TYPE                                                                                                             | LIST NAME AND SOURCE       |                 | WARNINGS                                                                                                |                                     |
| CAN                                                                                                                     | MAK                        |                 | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                        |                                     |
| MAM                                                                                                                     | GHS - Japan                |                 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                                     |
| ADDITIONAL LISTINGS                                                                                                     | LIST NAME AND SOURCE       |                 | NOTIFICATION                                                                                            |                                     |
| None found                                                                                                              |                            |                 | No listings found on Additional Hazard Lists                                                            |                                     |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled magnesium oxide from manufacturing scrap. |                            |                 |                                                                                                         |                                     |

| TALC                                                      |                      |          | ID: 14807-96-6                                                                                                                                            |                       |
|-----------------------------------------------------------|----------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |          | HAZARD SCREENING DATE: 2024-05-10 6:55:23                                                                                                                 |                       |
| %. 0.0000 - 0.1000                                        | GreenScreen: BM-1    | RC: None | NANO: No                                                                                                                                                  | SUBSTANCE ROLE: Glaze |
| HAZARD TYPE                                               | LIST NAME AND SOURCE |          | WARNINGS                                                                                                                                                  |                       |
| CAN                                                       | MAK                  |          | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |                       |
| CAN                                                       | IARC                 |          | Group 2b - Possibly 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:                                          |                      |          |                                                                                                                                                           |                       |

|                                                                  |                            |                                                |                                                  |                              |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|------------------------------|
| <b>CALCIUM CARBONATE</b>                                         |                            |                                                | ID: <b>1317-65-3</b>                             |                              |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:23</b> |                              |
| %. <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>BM-3dg</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 |

SUBSTANCE NOTES:

**HYDROTREATED HEAVY NAPHTHENIC DISTILLATES**

ID: **64742-52-5**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-10 6:55:24**

?: **0.0000 - 0.1000** GreenScreen: **LT-1** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                            |
|-------------|---------------------------------------------|-------------------------------------------------------------------------------------|
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence               |
| PBT         | EC - CEPA DSL                               | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans                  |
| MUL         | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                |
| 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 - Japan                                 | H350 - May cause cancer [Carcinogenicity - Category 1A]                             |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                       |
| SKI         | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]              |
| SKI         | GHS - Japan                                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]            |
| DEV         | GHS - Australia                             | H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2] |
| CAN         | EU - REACH Annex XVII CMRs                  | Carcinogens: Category 1B                                                            |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                    |
|---------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled hydrotreated heavy naphthenic distillates from manufacturing scrap.



CHROMIUM OXIDE (CR2O3)

ID: 1308-38-9

|                                                                                                                        |                                                        |                                                                                             |                                                                                                                                                           |                                     |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                       |                                                        |                                                                                             | HAZARD SCREENING DATE: <b>2024-05-10 6:55:24</b>                                                                                                          |                                     |
| %: <b>0.0000 - 0.1000</b>                                                                                              | GreenScreen: <b>BM-1</b>                               | RC: <b>PreC</b>                                                                             | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Ceramic body</b> |
| HAZARD TYPE                                                                                                            | LIST NAME AND SOURCE                                   |                                                                                             | WARNINGS                                                                                                                                                  |                                     |
| SKI                                                                                                                    | MAK                                                    |                                                                                             | Sensitizing Substance Sh - Danger of skin sensitization                                                                                                   |                                     |
| MAM                                                                                                                    | GHS - Japan                                            |                                                                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                     |
| ADDITIONAL LISTINGS                                                                                                    | LIST NAME AND SOURCE                                   |                                                                                             | NOTIFICATION                                                                                                                                              |                                     |
| RESTRICTED LIST                                                                                                        | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                                                                                                                           |                                     |
|                                                                                                                        |                                                        | Biological and Environmentally Released Materials                                           |                                                                                                                                                           |                                     |
| RESTRICTED LIST                                                                                                        | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                                                                                                                           |                                     |
|                                                                                                                        |                                                        | Children's Products                                                                         |                                                                                                                                                           |                                     |
| SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled chromium oxide from manufacturing scrap. |                                                        |                                                                                             |                                                                                                                                                           |                                     |

C.I. PIGMENT BLUE 28

ID: 1345-16-0

|                                                           |                                                        |          |                                                                                             |                              |
|-----------------------------------------------------------|--------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                        |          | HAZARD SCREENING DATE: 2024-05-10 6:55:24                                                   |                              |
| %: 0.0000 - 0.1000                                        | GreenScreen: LT-1                                      | RC: None | NANO: No                                                                                    | SUBSTANCE ROLE: Ceramic body |
| 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 (C2CPH) |          | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                              |
|                                                           |                                                        |          | Biological and Environmentally Released Materials                                           |                              |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CPH) |          | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                              |
|                                                           |                                                        |          | Children's Products                                                                         |                              |
| SUBSTANCE NOTES:                                          |                                                        |          |                                                                                             |                              |



**BORAX DECAHYDRATE, DISODIUM TETRABORATE  
DECAHYDRATE**

ID: 1303-96-4

|                                                                  |                                           |                                                                                                                                                           |                                                  |                                     |
|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                                           | HAZARD SCREENING DATE: <b>2024-05-10 6:55:23</b> |                                     |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-1</b>                  | RC: <b>PreC</b>                                                                                                                                           | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Ceramic body</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |                                                  |                                     |
| END                                                              | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |                                                  |                                     |
| REP                                                              | EU - Annex VI CMRs                        | Reproductive Toxicity - Category 1B                                                                                                                       |                                                  |                                     |
| MUL                                                              | ChemSec - SIN List                        | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                                                                      |                                                  |                                     |
| REP                                                              | GHS - Japan                               | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                                     |                                                  |                                     |
| REP                                                              | GHS - Australia                           | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                    |                                                  |                                     |
| REP                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                    |                                                  |                                     |
| MAM                                                              | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |                                                  |                                     |
| EYE                                                              | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |                                                  |                                     |
| 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]                                          |                                                  |                                     |
| SKI                                                              | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |                                                  |                                     |
| REP                                                              | GHS - New Zealand                         | Reproductive toxicity category 2                                                                                                                          |                                                  |                                     |
| REP                                                              | EU - SVHC List                            | Toxic to reproduction - Candidate list                                                                                                                    |                                                  |                                     |
| REP                                                              | EU - SVHC List                            | Toxic to reproduction - Prioritized for listing                                                                                                           |                                                  |                                     |
| REP                                                              | EU - REACH Annex XVII CMRs                | Reproductive toxicants: Category 1B                                                                                                                       |                                                  |                                     |



| 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 (C2CP II) | C2C Certified v4 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 (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products                      |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products                |

SUBSTANCE NOTES: The Portobello Porcelain tile contains pre-consumer recycled borax decahydrate, disodium tetraborate decahydrate from manufacturing scrap.

## CALCIUM MAGNESIUM CARBONATE

ID: 16389-88-1

|                                                                  |                          |                                                |                                                  |                              |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2024-05-10 6:55:24</b> |                              |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>NoGS</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   |                                                  |                              |

SUBSTANCE NOTES:



### Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

| VOC EMISSIONS                       |                                 | CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario |
|-------------------------------------|---------------------------------|------------------------------------------------------------------------------|
| CERTIFYING PARTY: Self-declared     | ISSUE DATE: 2024-03-29 00:00:00 | CERTIFIER OR LAB: International                                              |
| APPLICABLE FACILITIES: Baxter, TN   | EXPIRY DATE:                    | Product Assurance (IPA)                                                      |
| CERTIFICATE URL:                    |                                 | Laboratories                                                                 |
| CERTIFICATION AND COMPLIANCE NOTES: |                                 |                                                                              |

### Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

No accessories are required for this product.

### Section 5: General Notes

Please reach out directly to Portobello America for their document titled "Ceramic and Porcelain Tile Installation Guidelines."

Installation applications, technical difficulty, and materials can vary. Consult with installation experts where needed. For specific installation requests, Portobello America recommends following the most up-to-date applicable installation instructions available in the TCNA Installation Handbook: <https://tcnatile.com/products/publications/2024-tcna-handbook-for-ceramic-glass-and-stone-tile-installation/>



## Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **Portobello America**  
ADDRESS: **701 Ditty Rd**  
**Baxter, Tennessee 38544**  
COUNTRY: **USA**

WEBSITE: <https://www.portobelloamerica.com/>  
CONTACT NAME: **Jim Neel**  
TITLE: **Technical Manager**  
PHONE: **931-650-5225**  
EMAIL: [jim.neel@portobelloamerica.com](mailto:jim.neel@portobelloamerica.com)

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

### KEY

#### Hazard Types

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <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

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

#### Other Terms:

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

#### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,*
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*