

HPD UNIQUE IDENTIFIER: 1555143680

CLASSIFICATION: 09 51 23 Acoustical Tile Ceilings

PRODUCT TYPE: Mineral Base Panel (Acoustical Ceiling), Mineral Base Tile (Acoustical Ceiling)

PRODUCT DESCRIPTION: This declaration includes Ultima commercial ceiling tiles including ULTIMA®, ULTIMA® High NRC, ULTIMA® Create™, ULTIMA® Health Zone™ AirAssure™, ULTIMA® Health Zone™, ULTIMA® Health Zone™ High NRC, and ULTIMA® Shapes for DESIGNFLEX®. Ultima commercial ceiling tiles deliver excellent acoustics, light reflectance, and durability.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

CONTENT IN DESCENDING ORDER OF QUANTITY

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

**PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

ULTIMA® CEILING PANELS [ MINERAL WOOL LT-UNK PERLITE NoGS CLAY LT-UNK | CAN CORN STARCH NoGS CELLULOSE LT-UNK CALCIUM CARBONATE BM-3dg LIMESTONE BM-3dg ALUMINUM HYDROXIDE BM-2 SKI | EYE CALCIUM CARBONATE BM-3 | EYE POLYVINYL ACETATE LT-UNK DOLOMITE NoGS TITANIUM DIOXIDE BM-1 | CAN | END | MAM KAOLIN LT-UNK AMORPHOUS SILICA BM-1 | CAN | MAM ACRYLIC ACID NoGS 1,2-ETHANEDIAMINE, N-[3-(TRIMETHOXYSILYL)PROPYL]- LT-UNK | AQU ALUMINUM TRIHYDRATE BM-2 | SKI | EYE POLYVINYL ALCOHOL LT-UNK QUARTZ BM-1 | CAN | MAM | GEN WHITE TINT BM-1 | CAN | END | MAM BENZENESULFONIC ACID, 5-BENZOYL-4-HYDROXY-2-METHOXY- LT-P1 | END SODIUM SALT LT-UNK | SKI | EYE STYRENE POLYMER LT-UNK SILISIC SALT LT-UNK WATER BM-4 CITRIC ACID LT-UNK | EYE | SKI ESTER LT-P1 | PBT METHYL POLYMER LT-UNK ATTAPULGITE CLAY LT-1 | CAN | MAM | EYE ]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, AWI expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at www.armstrongceilings.com, as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong Commercial Ceilings website for more information on this product.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified

LCA: Environmental Product Declaration (EPD) by ASTM

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2023-10-20

PUBLISHED DATE: 2023-10-20

EXPIRY DATE: 2026-10-20

## 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)

### ULTIMA® CEILING PANELS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 100ppm.

OTHER PRODUCT NOTES: Additional information can be found on Armstrong's website - <https://www.armstrongceilings.com/ultima>

### MINERAL WOOL

ID: 65997-17-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-10-20 5:40:05

#: 49.1400 - 70.6060

GreenScreen: LT-UNK

RC: PreC

NANO: No

SUBSTANCE ROLE: Filler

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

Exempted from REACH Annex V listing due to intrinsic safety

SUBSTANCE NOTES: Mineral wool is made from recycled steel slag.

### PERLITE

ID: 130885-09-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-10-20 5:40:05

#: 9.9570 - 20.4750

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Filler

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:

**CLAY**

ID: 1332-58-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:05**%: **0.0000 - 13.8580**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Filler**

| 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:    |                      |  |

**CORN STARCH**

ID: 9005-25-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:05**%: **4.3700 - 9.2390**GreenScreen: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Binder**

| 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><br>Exempted from REACH Annex IV listing due to intrinsic safety |
| SUBSTANCE NOTES:    |  |   |

**CELLULOSE**

ID: 9004-34-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:05**%: **3.6210 - 8.1900**GreenScreen: **LT-UNK**RC: **Both**NANO: **No**SUBSTANCE ROLE: **Filler**

| 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: Contains pre- and post-consumer recycled paper. |                      |  |

**CALCIUM CARBONATE**

ID: 1317-65-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-10-20 5:40:06**

%: **0.0000 - 4.0680**

GreenScreen: **BM-3dg**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

| 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:

**LIMESTONE**

ID: **1317-65-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-10-20 5:40:06**

%: **0.0000 - 2.3600**

GreenScreen: **BM-3dg**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

| 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:

**ALUMINUM HYDROXIDE**

ID: **21645-51-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-10-20 5:40:06**

%: **0.0000 - 1.5840**

GreenScreen: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

| 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 (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                               |

SUBSTANCE NOTES:

**CALCIUM CARBONATE**

ID: 471-34-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:07**%: **0.0000 - 1.5290**      GreenScreen: **BM-3**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Filler**

| 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:

**POLYVINYL ACETATE**

ID: 9003-20-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:07**%: **0.0000 - 1.2640**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Adhesive**

| 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:

**DOLOMITE**

ID: 16389-88-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:07**%: **0.0000 - 1.1740**      GreenScreen: **NoGS**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Filler**

| 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:

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2023-10-20 5:40:08**%: **0.0000 - 0.7900**      GreenScreen: **BM-1**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Pigment**

| 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] |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION  |
|---------------------|--|---|
| 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 |
| 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: Titanium dioxide is bound within the product matrix and is not in a respirable form in the final product.

**KAOLIN**

ID: 92704-41-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2023-10-20 5:40:08**

%: **0.0000 - 0.7570**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

| 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:    |                      |  |

### AMORPHOUS SILICA

ID: 7631-86-9

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                       | HAZARD SCREENING DATE: <b>2023-10-20 5:40:08</b>  |                 |                               |
|--|---------------------------------------|---|-----------------|-------------------------------|
| %: <b>0.0000 - 0.6040</b>  | GreenScreen: <b>BM-1</b>              | RC: <b>None</b>   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE  | LIST NAME AND SOURCE                  | WARNINGS  |                 |                               |
| CAN  | GHS - Japan                           | H350 - May cause cancer [Carcinogenicity - Category 1A]   |                 |                               |
| CAN  | GHS - Australia                       | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]  |                 |                               |
| 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] |                 |                               |
| MAM  | GHS - Australia                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |                 |                               |
| ADDITIONAL LISTINGS  | LIST NAME AND SOURCE                  | NOTIFICATION  |                 |                               |
| RESTRICTED LIST  | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List   |                 |                               |
|  |                                       | Antimicrobials  |                 |                               |

SUBSTANCE NOTES: Silica is a naturally occurring mineral in clay and limestone. Silica is bound within the product matrix and is not in a respirable form in the final product.

### ACRYLIC ACID

ID: 9063-87-0

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2023-10-20 5:40:08</b> |                 |                                |
|--|--------------------------|--|-----------------|--------------------------------|
| %: <b>0.0000 - 0.5630</b>  | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</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:

**1,2-ETHANEDIAMINE, N-[3-(TRIMETHOXYSILYL)PROPYL]-**

ID: 1760-24-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:08**

%: **0.0000 - 0.4930** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS  |
|-------------|----------------------|---|
| AQU         | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 3 |

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

SUBSTANCE NOTES:

**ALUMINUM TRIHYDRATE**

ID: 21645-51-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:08**

%: **0.0000 - 0.4570** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

| 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 (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                               |

SUBSTANCE NOTES:

**POLYVINYL ALCOHOL**

ID: 9002-89-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:08**



#: 0.0000 - 0.3300

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

| 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:

**QUARTZ**

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:08**

#: 0.0000 - 0.1560

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Impurity**

| 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: Quartz is a naturally occurring mineral in clay and limestone. Quartz is bound within the product matrix and is not in a respirable form in the final product.

**WHITE TINT**

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:09**

| %: <b>0.0000 - 0.1360</b> | GreenScreen: <b>BM-1</b>                                 | RC: <b>None</b>   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |
|---------------------------|--|---|-----------------|--------------------------------|
| HAZARD TYPE               | LIST NAME AND SOURCE                                     | WARNINGS  |                 |                                |
| 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] |                 |                                |
| CAN                       | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen  |                 |                                |
| ADDITIONAL LISTINGS       | LIST NAME AND SOURCE                                     | NOTIFICATION  |                 |                                |
| RESTRICTED LIST           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022   |                 |                                |
|                           |  | Children's Products   |                 |                                |
| RESTRICTED LIST           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022   |                 |                                |
|                           |  | 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   |                 |                                |
|                           |  | Cosmetics & Personal Care Products  |                 |                                |
| POSITIVE LIST             | US Environmental Protection Agency (US EPA)              | US EPA - DfE Safer Chemicals Ingredients list (SCIL)  |                 |                                |
|                           |  | Colorants - Green Circle (Verified Low Concern)   |                 |                                |

SUBSTANCE NOTES:

**BENZENESULFONIC ACID, 5-BENZOYL-4-HYDROXY-2-METHOXY-**

ID: 4065-45-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:09**

%: **0.0000 - 0.0560** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Activator**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

END TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**SODIUM SALT**

ID: 68891-38-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:09**

%: **0.0000 - 0.0510** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

SKI GHS - New Zealand Skin irritation category 2

EYE GHS - New Zealand Serious eye damage category 1

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**STYRENE POLYMER**

ID: 9003-55-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:10**

%: **0.0000 - 0.0340** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

**SILISIC SALT**

ID: 1344-00-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:10**

%: **0.0000 - 0.0300** 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:

**WATER**

ID: 7732-18-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:10**

%: **0.0000 - 0.0270** GreenScreen: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Carrier**

| 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:

**CITRIC ACID**

ID: 77-92-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-20 5:40:09**

%: **0.0000 - 0.0230** GreenScreen: **LT-UNK** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Binder**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS   |
|-------------|---|--|
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| SKI         | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE         | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| EYE         | GHS - New Zealand                         | Serious eye damage category 1  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION   |
|---------------------|---|--|
| POSITIVE LIST       | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br>Chelating Agents - Green Circle (Verified Low Concern) |
| SUBSTANCE NOTES:    |   |  |

**ESTER** ID: 65997-13-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2023-10-20 5:40:10

%: **0.0000 - 0.0190**      GreenScreen: **LT-P1**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS   |
|-------------|----------------------|--|
| PBT         | EC - CEPA DSL        | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |

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

SUBSTANCE NOTES:

**METHYL POLYMER** ID: 31393-98-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2023-10-20 5:40:10

%: **0.0000 - 0.0160**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Polymer species**

| 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:

**ATTAPULGITE CLAY** ID: 12174-11-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2023-10-20 5:40:10

%: **0.0000 - 0.0120**      GreenScreen: **LT-1**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Viscosity modifier**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS  |
|-------------|----------------------|---|
| CAN         | CA EPA - Prop 65     | Carcinogen  |
| CAN         | IARC                 | Group 2b - Possibly carcinogenic to humans  |
| CAN         | MAK                  | Carcinogen Group 2 - Considered to be carcinogenic for man  |
| 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] |
| EYE         | GHS - Japan          | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]  |
| CAN         | GHS - Australia      | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |

| 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   | UL/GreenGuard Gold Certified |                      |
|---|------------------------------|----------------------|
| CERTIFYING PARTY: Third Party   | ISSUE DATE: 2018-04-16       | CERTIFIER OR LAB: UL |
| APPLICABLE FACILITIES: Marietta, PA and Pensacola, FL   | EXPIRY DATE: 2024-05-02      |                      |
| CERTIFICATE URL:<br><a href="https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/certificates/ultima-greenguard-certificate.pdf">https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/certificates/ultima-greenguard-certificate.pdf</a> |                              |                      |
| CERTIFICATION AND COMPLIANCE NOTES:   |                              |                      |

| LCA   | Environmental Product Declaration (EPD) by ASTM |                      |
|---|---|----------------------|
| CERTIFYING PARTY: Third Party   | ISSUE DATE: 2021-10-01                          | CERTIFIER OR LAB: UL |
| APPLICABLE FACILITIES: Marietta, PA and Pensacola, FL   | EXPIRY DATE: 2026-10-01                         | ASTM                 |
| CERTIFICATE URL:<br><a href="https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/ultima-epd.pdf">https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/ultima-epd.pdf</a> |   |                      |
| 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.*

| CEILING SUSPENSION SYSTEM  |
|--|
| MANUFACTURER (OR GENERIC): <b>Armstrong World Industries</b>   |
| HPD URL: <a href="https://www.armstrongceilings.com/commercial/en/suspension-systems/prelude-xl-15-16-grid.html">https://www.armstrongceilings.com/commercial/en/suspension-systems/prelude-xl-15-16-grid.html</a> |
| ACCESSORY TYPE: Installation Accessory   |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Various ceiling suspension options are available.   |

## Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, AWI expresses no opinion and makes no representations as to the applicability, suitability, accuracy, or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Please refer to the Armstrong Commercial Ceilings website for more information on this product - <https://www.armstrongceilings.com/ultima>

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Armstrong World Industries  
**ADDRESS:** 2500 Columbia Avenue  
 Lancaster, PA 17603  
**COUNTRY:** United States

**WEBSITE:** [www.armstrongceilings.com](http://www.armstrongceilings.com)  
**CONTACT NAME:** TechLine  
**TITLE:** Customer Service Representative  
**PHONE:** 877-276-7876 option #2  
**EMAIL:** [techline@armstrongceilings.com](mailto:techline@armstrongceilings.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*



