

CLASSIFICATION: 095100

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Smooth-textured Ultima Health Zone meets USDA/FSIS guidelines for use in food preparation areas, kitchens, and Clean Room assemblies, is water-repellent, and provides excellent sound absorption and blocking to help address HIPAA requirements.

## 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  
 Per OSHA MSDS  
 Other

#### Residuals/Impurities

- Considered  
 Partially Considered  
 Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes  No

Are All Substances Above the Threshold Indicated:

**Characterized**  Yes  No  
Percent Weight and Role Provided?

**Screened**  Yes  No  
Using Priority Hazard Lists with Results Disclosed?

**Identified**  Yes  No  
Name and Identifier Provided?

### 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.

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

ARMSTRONG COMMERCIAL CEILINGS ULTIMA HEALTHZONE [ MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT > 18 % BY WEIGHT) **LT-UNK** | CAN PERLITE **LT-UNK** CELLULOSE PULP **NoGS** STARCH **LT-UNK** KAOLIN CLAY **LT-UNK** | CAN LIMESTONE; CALCIUM CARBONATE **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN | END POLYVINYL ACETATE (PVA) **LT-UNK** FLUX-CALCINED DIATOMACEOUS EARTH **LT-UNK** SILICIC ACID, DIETHOXYOCTYLSILYL TRIMETHYLSILYL ESTER **NoGS** TRIETHOXYOCTYLSILANE **LT-UNK** FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT **LT-UNK** VINYL ACETATE (VINYL ACETATE) **LT-P1** | CAN | END | MUL | MAM | GEN | PHY QUARTZ **LT-1** | CAN STARCH, PHOSPHATE **LT-UNK** SILICA, AMORPHOUS **LT-P1** | CAN DODECYL ALCOHOL, ETHOXYLATED **LT-P1** | MUL POLY(VINYL ALCOHOL) **LT-UNK** ALUMINA TRIHYDRATE **BM-2** | RES FATTY ACIDS, C16-22 AND C18-UNSATD. (FATTY ACIDS, C16-22 AND C18-UNSATD.) **LT-UNK** ]

Number of Greenscreen BM-4/BM3 contents..... 0  
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1  
Nanomaterial..... No

### INVENTORY AND SCREENING NOTES:

Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

### 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 content: Clear Chem - Berkeley Analytical - Third Party compliant with CDPH/EHLB Std. Method V1.1 2010 Compliant for Ultima HealthZone  
Other: Declare Label for Ultima Health Zone  
LCA: Environmental Product Declaration for Ultima

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-09-25

PUBLISHED DATE: 2017-09-29

EXPIRY DATE: 2020-09-25

## 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 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ARMSTRONG COMMERCIAL CEILINGS ULTIMA HEALTHZONE

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

OTHER PRODUCT NOTES: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

#### MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT > 18 % BY WEIGHT)

ID: 65997-17-3

#: 30.0000 - 50.0000 GS: LT-UNK RC: PreC NANO: No ROLE: Board substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: Mineral fiber is not classified as a carcinogen by IARC, NTP, CA Proposition 65 or OSHA. The R40 and H351 phrases below are triggered by a special provision "Note Q", found only in the EU's CLP Regulation and for which the applicability to the provided products is neither certain nor adopted by the manufacturer. The world's leading institute on carcinogen classification, the International Agency for Research on Cancer (IARC) has determined that there is insufficient evidence to classify this material as carcinogenic. The EU's CLP Regulation focused on creating criteria to characterize biosolubility, but did not provide data to support a causal relationship between the EU test method and actual carcinogenicity.

#### PERLITE

ID: 93763-70-3

#: 5.0000 - 20.0000 GS: LT-UNK RC: None NANO: No ROLE: Board substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

#### CELLULOSE PULP

ID: 65996-61-4

#: 1.0000 - 10.0000 GS: NoGS RC: Both NANO: No ROLE: Board substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

## STARCH

ID: 9005-25-8

#: 1.0000 - 10.0000 GS: LT-UNK RC: PostC NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

## KAOLIN CLAY

ID: 1332-58-7

#: 1.0000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Kaolin clay used in this product in not regulated as a hazardous substance. MAK denotes German occupational potential hazard.

## LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: Board substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

## TITANIUM DIOXIDE

ID: 13463-67-7

#: 1.0000 - 5.0000 GS: LT-1 RC: None NANO: No ROLE: Coating - Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Titanium Dioxide is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

### POLYVINYL ACETATE (PVA)

ID: 9003-20-7

#: 0.1000 - 7.0000 GS: LT-UNK RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

### FLUX-CALCINED DIATOMACEOUS EARTH

ID: 68855-54-9

#: 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: No ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

### SILICIC ACID, DIETHOXYOCTYLSILYL TRIMETHYLSILYL ESTER

ID: 216689-57-5

#: 0.1000 - 1.0000 GS: NoGS RC: None NANO: No ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

### TRIETHOXYOCTYLSILANE

ID: 2943-75-1

#: 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: No ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

### FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

#: 0.1000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: Fiber core in facing material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

### VINYL ACETATE (VINYL ACETATE)

ID: 108-05-4

#: 0.1000 - 5.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Adhesive

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Vinyl Acetate is bound within the coating and is not inhalable. MAK denotes German occupational exposure.

### QUARTZ

ID: 14808-60-7

#: 0.0100 - 5.0000

GS: LT-1

RC: None

NANO: No

ROLE: Filler

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Quartz is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

**STARCH, PHOSPHATE**

ID: 11120-02-8

#: <b>0.0100 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Binder</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

**SILICA, AMORPHOUS**

ID: 7631-86-9

#: <b>0.0100 - 1.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Filler</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: This ingredient is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

**DODECYL ALCOHOL, ETHOXYLATED**

ID: 9002-92-0

#: <b>0.0100 - 1.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Coating</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: None

**POLY(VINYL ALCOHOL)**

ID: 9002-89-5

#: <b>0.0100 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Binder in facing material</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

#: <b>0.0100 - 1.0000</b>	GS: <b>BM-2</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Binder and Coating</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

**FATTY ACIDS, C16-22 AND C18-UNSATD. (FATTY ACIDS, C16-22 AND C18-UNSATD.)**

ID: 68424-13-5

#: **0.0100 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Sufactant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This ingredient has been screened and no hazards are reported.

### 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 CONTENT** **Clear Chem - Berkeley Analytical - Third Party compliant with CDPH/EHLB Std. Method V1.1 2010 Compliant for Ultima HealthZone**

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: ISSUe DATE:2017-06-11 EXPIRY DATE: 2019-06-11 CERTIFIER OR LAB: Berkeley Analytical  
 CERTIFICATE URL:  
<https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/ultima-health-zone-ceiling-tiles.html#!query=ULTIMA Health Zone>  
 CERTIFICATION AND COMPLIANCE NOTES:

#### **OTHER** **Declare Label for Ultima Health Zone**

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: Pensacola FL Marietta PA ISSUe DATE:2017-05-01 EXPIRY DATE: 2018-05-01 CERTIFIER OR LAB: ILFI  
 CERTIFICATE URL:  
<https://www.armstrongceilings.com/pdbupimages-clg/215889.pdf/download/declare-label-ultima-health-zone-ceiling-panels.pdf>  
 CERTIFICATION AND COMPLIANCE NOTES: LBC Compliant

#### **LCA** **Environmental Product Declaration for Ultima**

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: all ISSUe DATE:2016-03-31 EXPIRY DATE: 2020-03-31 CERTIFIER OR LAB: UL Environment  
 CERTIFICATE URL:  
<https://www.armstrongceilings.com/pdbupimages-clg/215789.pdf/download/epd-ultima-ceiling-panels.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Product Specific EPD

## 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.

### SUSPENSION SYSTEMS

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

<https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/ultima-health-zone-ceiling-tiles.html#!query=ULTIMA Health Zone> Please refer to this website for accessory information and related HPDs.

## 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. 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](http://www.armstrongceilings.com), as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong commercial ceilings website for this product for complete information. <https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/ultima-health-zone-ceiling-tiles.html#!query=ULTIMA Health Zone>

## Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong World Industries**

ADDRESS: **2500 Columbia Avenue  
Lancaster pa 17603, USA**

WEBSITE: <http://www.armstrong.com/commceilingsna/>

CONTACT NAME: **Techline**

TITLE: **Techline**

PHONE: **1-877-276-7876**

EMAIL: [techline@armstrongceilings.com](mailto:techline@armstrongceilings.com)

### KEY

**OSHA MSDS**

Occupational Safety and Health Administration Material Safety Data Sheet

**GHS SDS**

Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists



## GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)  
**BM-3** Benchmark 3 (use but still opportunity for improvement)  
**BM-2** Benchmark 2 (use but search for safer substitutes)  
**BM-1** Benchmark 1 (avoid - chemical of high concern)  
**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1  
**LT-1** List Translator Likely Benchmark 1  
**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)  
**NoGS** Unknown (no data on List Translator Lists)

## Recycled Types

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

## Other Terms

### 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

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*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.*