

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

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

| | | | | |
|---------------------------|-------------------|-----------------|-----------------|---------------------|
| #: 0.0100 - 1.0000 | 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

SILICA, AMORPHOUS

ID: 7631-86-9

| | | | | |
|---------------------------|------------------|-----------------|-----------------|---------------------|
| #: 0.0100 - 1.0000 | GS: LT-P1 | RC: None | NANO: No | ROLE: Filler |
|---------------------------|------------------|-----------------|-----------------|---------------------|

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

| | | | | |
|---------------------------|------------------|-----------------|-----------------|----------------------|
| #: 0.0100 - 1.0000 | GS: LT-P1 | RC: None | NANO: No | ROLE: Coating |
|---------------------------|------------------|-----------------|-----------------|----------------------|

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

| | | | | |
|---------------------------|-------------------|-----------------|-----------------|--|
| #: 0.0100 - 1.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Binder in facing material |
|---------------------------|-------------------|-----------------|-----------------|--|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

ALUMINA TRIHYDRATE

ID: 21645-51-2

| | | | | |
|---------------------------|-----------------|-----------------|-----------------|---------------------------------|
| #: 0.0100 - 1.0000 | GS: BM-2 | RC: None | NANO: No | ROLE: Binder and Coating |
|---------------------------|-----------------|-----------------|-----------------|---------------------------------|

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: **Surfactant**

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: 11
 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:

ISSUE DATE: 2017-06-11
 EXPIRY DATE: 2019-06-11
 CERTIFIER OR LAB: Berkeley Analytical

OTHER

Declare Label for Ultima Health Zone

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: Pensacola FL Marietta PA
 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

ISSUE DATE: 2017-05-01
 EXPIRY DATE: 2018-05-01
 CERTIFIER OR LAB: ILFI

LCA

Environmental Product Declaration for Ultima

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: all
 CERTIFICATE URL: <https://www.armstrongceilings.com/pdbupimages-clg/215789.pdf/download/epd-ultima-ceiling-panels.pdf>

ISSUE DATE: 2016-03-31
 EXPIRY DATE: 2020-03-31
 CERTIFIER OR LAB: UL Environment

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, 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

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

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.