**CLASSIFICATION:** Acoustical Ceiling Panels  

**PRODUCT DESCRIPTION:** Clean Room panels meet guidelines for controlled environments and USDA/FSIS guidelines.  

**KEY FEATURES**  
- Clean Rooms up to ISO Class 5 (Class 100) (excludes items 869, 871)  
- Excellent sound blocking CAC (35-40)  
- Durable – Washable, Scrubbable, Soil-resistant! Non-directional visual reduces scrap and installation time

### Section 1: Summary  

#### Basic Method / Product Threshold

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>All Substances Above the Threshold Indicated Are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Characterized</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Yes Ex/SC</td>
</tr>
<tr>
<td></td>
<td>Per GHS SDS</td>
<td>Not Considered</td>
<td>Yes Ex/SC</td>
</tr>
<tr>
<td></td>
<td>Per OSHA MSDS</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Threshold Disclosed Per**

- Material  
- Product

### 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.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>RESIDUAL OR IMPURITY</th>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAN ROOM FL</td>
<td>MINERAL WOOL</td>
<td>LT-UNK</td>
<td>CAN</td>
<td>NoGS</td>
</tr>
<tr>
<td></td>
<td>CAN PELRITE ORE</td>
<td>NoGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAN CORN STARCH</td>
<td>LT-UNK</td>
<td>CELLULOSE</td>
<td>NoGS</td>
</tr>
<tr>
<td></td>
<td>SALT OF POLYCARBOXYLIC ACID</td>
<td>NoGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PROTEINS, SOY</td>
<td>NoGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>STARCH, PHOSPHATE</td>
<td>LT-UNK</td>
<td></td>
<td>CAN</td>
</tr>
<tr>
<td></td>
<td>QUARTZ</td>
<td>LT-1</td>
<td></td>
<td>CAN</td>
</tr>
<tr>
<td></td>
<td>TALC</td>
<td>BM-1</td>
<td></td>
<td>CAN</td>
</tr>
</tbody>
</table>

**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  
- Other: ILFI Declare - Red List Free

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

---

**PREPARER:** Self-Prepared  
**VERIFIER:**  
**VERIFICATION #:**  
**SCREENING DATE:** 2019-09-27  
**PUBLISHED DATE:** 2019-09-27  
**EXPIRY DATE:** 2022-09-27
### CLEAN ROOM FL

**PRODUCT THRESHOLD:** 100 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 100ppm.

**OTHER PRODUCT NOTES:** For more information on this product visit www.armstrongceilings.com/cleanroomfl

---

### MINERAL WOOL

**ID:** 65997-17-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>60.00 - 65.00</td>
<td>LT-UNK</td>
<td>PreC</td>
<td>No</td>
<td>Base board</td>
</tr>
</tbody>
</table>

**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

---

### PERLITE ORE

**ID:** 130885-09-5  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.00 - 15.00</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**CANCER**  
**EU - GHS (H-Statements)**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** filler

---

### CLAY

**ID:** 1332-58-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00 - 12.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**CANCER**  
**EU - GHS (H-Statements)**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** filler
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** In this product it is not regulated as a hazardous substance. In this product, it is not a registered pesticide under FIFRA. It is not registered persistent material.

---

### CORN STARCH

ID: 9005-25-8

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

%: 5.00 - 8.00  
GS: LT-UNK  
RC: PostC  
NANO: No  
ROLE: Starch - Binder

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Binder for board substrate

---

### CELLULOSE

ID: 9004-34-6

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

%: 4.00 - 6.00  
GS: NoGS  
RC: None  
NANO: No  
ROLE: Binder

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Binder in board substrate

---

### SALT OF POLYCARBOXYLIC ACID

ID: 68424-16-8

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

%: 2.00 - 3.00  
GS: NoGS  
RC: None  
NANO: No  
ROLE: Surfactant

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** surfactant in coating

---

### PROTEINS, SOY

ID: 9010-10-0

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

%: 0.10 - 0.20  
GS: NoGS  
RC: None  
NANO: Unknown  
ROLE: filler

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:**
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARCH, PHOSPHATE</td>
<td>11120-02-8</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td>0.10 - 0.20</td>
<td>LT-UNK</td>
<td>PreC</td>
<td>No</td>
<td>Binder</td>
<td>None found, No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SUBSTANCE NOTES: Filler in board</td>
</tr>
<tr>
<td>QUARTZ</td>
<td>14808-60-7</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td>0.10 - 0.20</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None found, No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SUBSTANCE NOTES: binder in board substrate</td>
</tr>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None found, No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SUBSTANCE NOTES: It is bound by the adhesives within the coating. It is not in a respirable form in the final product. Accordingly, it is excluded from regulatory hazards list.</td>
</tr>
</tbody>
</table>

**CANCER**

- **IARC** Group 1 - Agent is Carcinogenic to humans
- **US CDC - Occupational Carcinogens** Occupational Carcinogen
- **CA EPA - Prop 65** Carcinogen - specific to chemical form or exposure route
- **IARC** Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
- **US NIH - Report on Carcinogens** Known to be Human Carcinogen (respirable size - occupational setting)
- **MAK** Carcinogen Group 1 - Substances that cause cancer in man
- **GHS - New Zealand** 6.7A - Known or presumed human carcinogens
- **GHS - Australia** H350i - May cause cancer by inhalation
- **GHS - Japan** Carcinogenicity - Category 1A [H350]

**SUBSTANCE NOTES:**

- It is bound by the adhesives within the coating. It is not in a respirable form in the final product. Accordingly, it is excluded from regulatory hazards list.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2b - Possibly carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Filler in coating
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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>UL/GreenGuard Gold Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-05-02</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-05-12</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>all</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: UL GreenGuard Gold

### OTHER

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>ILFI Declare - Red List Free</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Party</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-10-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-10-01</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>ILFI</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>all</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES:

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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

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.
MANUFACTURER INFORMATION

MANUFACTURER: Armstrong World Industries
ADDRESS: 2500 Columbia Avenue
Building 5B
Lancaster PA 17603, United States
WEBSITE: www.armstrongceilings.com

CONTACT NAME: Anita Snader
TITLE: Sustainability Manager
PHONE: 18772767876
EMAIL: alsnader@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.