**Armstrong Commercial Ceilings Lyra Plant Based (PB) by Armstrong World Industries**

**CLASSIFICATION:** 095100

**PRODUCT DESCRIPTION:** Create a monolithic visual with Lyra’s smooth, white, drywall-like visual; • High acoustics; Excellent sound-blocking; Washable, Impact-resistant, Scratch-resistant, Soil-resistant • All items are manufactured with a plant-based binder • Compatible with the TechZone® Ceiling Systems

## Section 1: Summary

### 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

**Are All Substances Above the Threshold Indicated:**
- Yes
- No

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

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

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

### 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>ARMSTRONG COMMERCIAL CEILINGS LYRA PLANT BASED (PB)</td>
<td>FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT (FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT)</td>
<td>LT-UNK</td>
<td>STARCH ACRYLIC BINDER</td>
<td>NGS</td>
</tr>
<tr>
<td>LIMESTONE; CALCIUM CARBONATE</td>
<td>LT-UNK</td>
<td>POLYVINYL ACETATE (PVA) (POLYVINYL ACETATE (PVA))</td>
<td>LT-UNK</td>
<td>VEGETABLE OIL</td>
</tr>
<tr>
<td>ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)</td>
<td>BM-2</td>
<td>RES POLY(METHYLHYDROSILOXANE) (POLY(METHYLHYDROSILOXANE))</td>
<td>NoGS</td>
<td>POLY(VINYL ALCOHOL) (POLY(VINYL ALCOHOL))</td>
</tr>
<tr>
<td>DIPROPYLENE GLYCOL DIBENZOATE (DIPROPYLENE GLYCOL DIBENZOATE)</td>
<td>LT-P1</td>
<td>MUL</td>
<td></td>
<td></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: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario
- LCA: Lyra Environmental product declaration (EPD) product specific
- Other: ILFI Declare - Red List Compliant

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

<table>
<thead>
<tr>
<th>Third Party Verified?</th>
<th>PREPARER: Self-Prepared</th>
<th>SCREENING DATE: 2017-08-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>VERIFIER:</td>
<td>PUBLISHED DATE: 2017-09-29</td>
</tr>
<tr>
<td>No</td>
<td>VERIFICATION #:</td>
<td>EXPIRY DATE: 2020-08-29</td>
</tr>
</tbody>
</table>

www.hpd-collaborative.org
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 LYRA PLANT BASED (PB)

**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:** All ingredients have been screened using the HPD Builder.

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

<table>
<thead>
<tr>
<th>%</th>
<th>75.0000 - 85.0000</th>
<th>GS: LT-UNK</th>
<th>RC: PostC</th>
<th>NANO: No</th>
<th>ROLE: Core and Scrim</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found **AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

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

#### STARCH ACRYLIC BINDER

<table>
<thead>
<tr>
<th>%</th>
<th>10.0000 - 15.0000</th>
<th>GS: NoGS</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found **AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

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

#### LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

<table>
<thead>
<tr>
<th>%</th>
<th>7.0000 - 10.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found **AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** This ingredient has been screened and no hazards are reported.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>% Range</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>Role</th>
<th>Hazards</th>
<th>NoWarnings</th>
<th>Substance Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyvinyl Acetate (PVA)</td>
<td>9003-20-7</td>
<td>3.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>This ingredient has been screened and no hazards are reported.</td>
</tr>
<tr>
<td>Vegetable Oil</td>
<td>68918-91-2</td>
<td>2.0000 - 5.0000</td>
<td>NoGS</td>
<td>UNK</td>
<td>No</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>This ingredient has been screened and no hazards are reported.</td>
</tr>
<tr>
<td>Alumina Trihydrate (Alumina Trihydrate)</td>
<td>21645-51-2</td>
<td>2.0000 - 5.0000</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Fire Retardant</td>
<td>RESPIRATORY Asthmagen (ARs) - sensitizer-induced - inhalable forms only</td>
<td>No warnings found on HPD Priority lists</td>
<td>This ingredient has been screened and no hazards are reported.</td>
</tr>
<tr>
<td>Poly(methylhydroxi)loxane (Poly(methylhydroxi)loxane)</td>
<td>63148-57-2</td>
<td>0.3000 - 0.5000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Repellent</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>This ingredient has been screened and no hazards are reported.</td>
</tr>
<tr>
<td>Poly(vinyl alcohol) (Poly(vinyl alcohol))</td>
<td>9002-89-5</td>
<td>0.3000 - 0.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>This ingredient has been screened and no hazards are reported.</td>
</tr>
</tbody>
</table>
DIPROPYLENE GLYCOL DIBENZOATE (DIPROPYLENE GLYCOL DIBENZOATE)

%: 0.1000 - 1.0000  GS: LT-P1  PC: None  NANO: No  ROLE: Adhesive

HAZARDS: AGENCY(IES) WITH WARNINGS: 
MULTIPLE  German FEA - Substances Hazardous to Waters  Class 2 - Hazard to Waters

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 EMISSIONS

CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario


CERTIFICATION AND COMPLIANCE NOTES: Meet LEEDv4 criteria

LCA

Lyra Environmental product declaration (EPD) product specific

CERTIFYING PARTY: Third Party  APPLICABLE FACILITIES: all  CERTIFICATE URL: https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/lyra-epd.pdf

CERTIFICATION AND COMPLIANCE NOTES: Product Specific EPD

OTHER

ILFI Declare - Red List Compliant

CERTIFYING PARTY: Third Party  APPLICABLE FACILITIES: all  CERTIFICATE URL: https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/certificates/lyra-pb-declare.pdf

CERTIFICATION AND COMPLIANCE NOTES: Red List Free and has 1% proprietary ingredient that has been verified as having no red list ingredients.

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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.

ARMSTRONG SUSPENSION SYSTEMS


CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
All Armstrong ceiling panels can be combined with Armstrong Suspension systems to create a total ceiling solution.

Section 5: General Notes

This HPD is provided for the intended recipient in connection with its assessment of products. In providing information, AWI expresses no opinion to its applicability, suitability, or completeness of the declaration form or the standards and criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the product Safety Data Sheet (SDS) which can be located at armstrongceilings.com. Please visit the Armstrong website for detailed information on this product. https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/lyra-ceiling-tiles.html

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Armstrong World Industries
ADDRESS: 2500 Columbia Avenue
Lancaster PA 17603, USA

CONTACT NAME: Armstrong Technical Services
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
GLO Global warming
MAM Mammalian/systemic/organ toxicity
PHY Physical Hazard (reactive)
REP Reproductive toxicity
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.