### Section 1: Summary

#### Basic Method / Product Threshold

<table>
<thead>
<tr>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Are All Substances Above the Threshold Indicated?</th>
<th>Characterized</th>
<th>Percent Weight and Role Provided?</th>
<th>Screened</th>
<th>Using Priority Hazard Lists with Results Disclosed?</th>
<th>Identified</th>
<th>Name and Identifier Provided?</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>Considered</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Not Considered</td>
<td></td>
<td></td>
<td></td>
<td>No</td>
<td></td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
<td></td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Other</td>
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<td></td>
<td></td>
<td>No</td>
<td></td>
<td>No</td>
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</tr>
</tbody>
</table>

#### 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></td>
<td></td>
<td></td>
<td>BM-4</td>
<td></td>
</tr>
</tbody>
</table>

#### CONTENT IN SCREENING NOTES:

The product is 80% to 85% PVC. The remaining 15% to 20% of ingredients are not listed in order of percent of content because the percentages are proprietary.
VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: GreenGuard - Gold (previously Children & Schools)
Multi-attribute: IAPMO-UES Report 310

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Yes</td>
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<td></td>
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<tr>
<td>No</td>
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<td>VERIFICATION #:</td>
<td>PUBLISHED DATE: 2017-10-31</td>
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<tr>
<td></td>
<td></td>
<td>VERIFICATION #:</td>
<td>EXPIRY DATE: 2020-10-30</td>
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</table>
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

THERMOFORMED CEILING AND WALL PANELS AND TILES

PRODUCT THRESHOLD: Per OSHA MSDS

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residual monomers may be present.

OTHER PRODUCT NOTES: CORPORATE STATEMENT 1. Ceilume acknowledges that this product is made with chemicals of concern. Despite this, we have decided to publish this HPD in the interests of transparency -- a fundamental tool for making sustainable product selection decisions. // 2. Our company and our suppliers have ongoing programs of continuous improvement. We are investigating alternative ingredients with better environmental profiles. A reformulated product must satisfy many performance requirements in addition to sustainability, so new materials must also be vetted for fire safety, durability, acoustics, and other criteria. We are working towards this goal, and invite interested parties to contact us to participate with beta testing on actual building projects. // Judgement must be used in interpretation of the benchmarks in this HPD. Consider aluminum hydroxide as an example. It is an asthmagen only in its inhalable form, so specifiers must understand the likelihood of that the ingredient will be inhaled during the product life cycle. Manufacturing: The plastic compounder and their supplier of aluminum hydroxide take pains to prevent the release of aluminum hydroxide. Once compounded, the aluminum hydroxide is permanently bound within a polymer matrix that limits airborne release. Use: During installation, our panels are trimmed with sharp knives or shears, a process unlikely to release airborne particles. Ceiling products are not subject to abrasion that could release particles. Similarly, it is unlikely that our product will be used on walls that are subject to abrasion. End of Use: The thermoplastic scrap and debris should be melted and formed into new products without the airborne release of aluminum hydroxide. A similar analysis can be performed for other ingredients.

POLYVINYL CHLORIDE (PVC) (UNPLASTICIZED PVC (UPVC))

ID: 9002-86-2

%: 80.0000 - 85.0000

GS: LT-P1

RC: UNK

NANO: No

ROLE: Base substance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagen

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.

2-(2-HYDROXY-5-T-OCTYLPHENYL)-BENZOTRIAZOLE

ID: Not Registered

%: 0.0100 - 2.0000

GS: NoGS

RC: UNK

NANO: No

ROLE: UV inhibitor

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

SUBSTANCE NOTES: None
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%</th>
<th>GB</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
<th>AGENCY(IES) WITH WARNINGS</th>
<th>SUBSTANCE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2'-(3,3'-DICHLORO-1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO)BIS(N-(4-CHLORO-2,5-DIMETHOXYPHENYL)-3-OXOBUTANAMIDE</td>
<td>5468-75-7</td>
<td>0.0100  - 2.0000</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Pigment</td>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>4, 4-BIS(2-BENZOAZOYL)STILBENE</td>
<td>1533-45-5</td>
<td>0.0100  - 2.0000</td>
<td>LT-UNK</td>
<td>UNK</td>
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<td>Brightener</td>
<td>None</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
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<tr>
<td>ALUMINUM HYDROXIDE</td>
<td>21645-51-2</td>
<td>0.0100  - 2.0000</td>
<td>BM-2</td>
<td>UNK</td>
<td>No</td>
<td>Pigment</td>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (ARs) - sensitizer-induced - inhalable forms only</td>
</tr>
<tr>
<td>AMORPHOUS SILICA</td>
<td>7631-86-9</td>
<td>0.0100  - 2.0000</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Pigment</td>
<td>CANCER</td>
<td>Japan - GHS</td>
<td>Carcinogenicity - Category 1A</td>
</tr>
<tr>
<td>BENZOIC ACID, 3,3'-((2,5-DICHLORO-1,4-PHENYLENE)BIS(IMINOCARBONYL(2-HYDROXY-3,1-NAPHTHALENEDIYL)AZO))BIS(4-METHYL-, BIS(1-METHYLETHYL) ESTER</td>
<td>71566-54-6</td>
<td>0.0100  - 2.0000</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Pigment</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HAZARDS: None Found
AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

BUTANAMIDE, 2,2'-(3,3'-DICHLORO-1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO)BIS(N-(4-CHLORO-2,5-DIMETHOXYPHENYL)-3-OXO-)

ID: 5567-15-7

%: 0.0100 - 2.0000
GS: LT-P1
RC: UNK
NANO: No
ROLE: Pigment

HAZARDS: MULTIPLE
AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters
Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: 1. Also known as Yellow 83. 2. Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

%: 0.0100 - 2.0000
GS: BM-3
RC: UNK
NANO: No
ROLE: Impact modifier

HAZARDS: None Found
AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

CARBON BLACK (CARBON BLACK)

ID: 1333-86-4

%: 0.0100 - 2.0000
GS: LT-1
RC: UNK
NANO: No
ROLE: Pigment

HAZARDS: None Found
AGENCY(IES) WITH WARNINGS: Occupational Carcinogen

SUBSTANCE NOTES: Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.

CHLORITE

ID: 14998-27-7

%: 0.0100 - 2.0000
GS: NoGS
RC: UNK
NANO: No
ROLE: Filler

Thermoformed Ceiling and Wall Panels and Tiles
hpdrepository.hpd-collaborative.org
HPD v2.1 created via HPDC Builder Page 5 of 12
<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>HAZARDS: AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None Found No warnings found on HPD Priority lists</td>
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</tbody>
</table>

### DiButyltin Diisooctylthioglycolate

**ID:** 25168-24-5

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0100 - 2.0000</td>
<td>LT-1</td>
<td>UNK</td>
<td>No</td>
<td>Pigment</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.

**HAZARDS:**

- **PBT:** OSPAR - Priority PBTs & EDs & equivalent concern
- **MULTIPLE:** German FEA - Substances Hazardous to Waters
- **CANCER:** MAK
- **DEVELOPMENTAL:** MAK

**SUBSTANCE NOTES:**

- PBT - Chemical for Priority Action
- Class 3 - Severe Hazard to Waters
- Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
- Pregnancy Risk Group B

### DiButyltin Thioester

**ID:** Not Registered

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0100 - 2.0000</td>
<td>NoGS</td>
<td>UNK</td>
<td>No</td>
<td>Stabilizer</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

- None Found
- No warnings found on HPD Priority lists

**HAZARDS:** None

**SUBSTANCE NOTES:**

- None

### Diisononyl Phthalate

**ID:** 28553-12-0

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0100 - 2.0000</td>
<td>BM-1</td>
<td>UNK</td>
<td>No</td>
<td>Pigment</td>
</tr>
</tbody>
</table>

**HAZARDS:**

- **CANCER:** CA EPA - Prop 65
- **ENDOCRINE:** EU - Priority Endocrine Disrupters
- **DEVELOPMENTAL:** US NIH - Reproductive & Developmental Monographs
- **RESTRICTED LIST:** US EPA - PPT Chemical Action Plans
- **RESTRICTED LIST:** US EPA - PPT Chemical Action Plans
- **ENDOCRINE:** ChemSec - SIN List
- **ENDOCRINE:** TEDX - Potential Endocrine Disruptors

**HAZARDS:**

- Carcinogen
- Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
- Some Evidence of Adverse Effects - Developmental Toxicity
- EPA Chemical of Concern - Action Plan published
- TSCA Work Plan chemical - Action Plan in development
- Endocrine Disruption
- Potential Endocrine Disruptor
### HYDROUS MAGNESIUM SILICATE

**ID:** 14807-96-6  
**%:** 0.0100 - 2.0000  
**GS:** BM-1  
**RC:** UNK  
**NANO:** No  
**ROLE:** Filler

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
- **CANCER**  
  **MAK**  
  Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:**  
1. Also known as talc.  
2. Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.

### MAGNESITE

**ID:** 546-93-0  
**%:** 0.0100 - 2.0000  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**ROLE:** Filler

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
- None Found
  - No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

### MAGNESIUM CALCIUM CARBONATE

**ID:** 16389-88-1  
**%:** 0.0100 - 2.0000  
**GS:** NoGS  
**RC:** UNK  
**NANO:** No  
**ROLE:** Filler

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
- None Found
  - No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Also known as dolomite.

### METHYL METHACRYLATE

**ID:** 80-62-6  
**%:** 0.0100 - 2.0000  
**GS:** LT-P1  
**RC:** UNK  
**NANO:** No  
**ROLE:** Processing aid

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
- **SKIN IRRITATION**  
  **EU - R-phrases**  
  R38 - Irritating to skin  
- **SKIN SENSITIZE**  
  **EU - R-phrases**  
  R43 - May cause sensitization by skin contact  
- **RESPIRATORY**  
  **AOEC - Asthmagens**  
  Asthmagen (Rs) - sensitizer-induced  
- **SKIN IRRITATION**  
  **EU - GHS (H-Statements)**  
  H315 - Causes skin irritation  
- **SKIN SENSITIZE**  
  **EU - GHS (H-Statements)**  
  H317 - May cause an allergic skin reaction
<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
<th>AGENCY(IES) WITH WARNINGS</th>
<th>HAZARDS</th>
<th>AGENCY(IES) WITH WARNINGS</th>
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</thead>
<tbody>
<tr>
<td>Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.</td>
<td>Unknown</td>
<td>0.0100 - 2.0000</td>
<td>NoGS</td>
<td>UNK</td>
<td>No</td>
<td>Lubricant</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>Mixed Ester of Saturated Fatty Acids</td>
<td>Unknown</td>
<td>0.0100 - 2.0000</td>
<td>NoGS</td>
<td>UNK</td>
<td>No</td>
<td>Stabilizer</td>
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<td>No warnings found on HPD Priority lists</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>Mixed Ester of Saturated Fatty Acids</td>
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<td>0.0100 - 2.0000</td>
<td>NoGS</td>
<td>UNK</td>
<td>No</td>
<td>Stabilizer</td>
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<tr>
<td>POLY(BUTYL ACRYLATE–METHYL METHACRYLATE)</td>
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<td>STEAROYL LACTYLATE</td>
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<td>Substance Name</td>
<td>ID</td>
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<td>GS</td>
<td>RC</td>
<td>NANO</td>
<td>ROLE</td>
<td>HAZARDS</td>
<td>AGENCY(IES) WITH WARNINGS</td>
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<tr>
<td>----------------------------------------</td>
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<tr>
<td>SODIUM ALUMINO SULPHO SILICATE</td>
<td>57455-37-5</td>
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<td>Pigment</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
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<td>Substance Notes: Also known as ultramarine blue and blue 29.</td>
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<td>TITANIUM DIOXIDE (TITANIUM DIOXIDE)</td>
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<td>No warnings found on HPD Priority lists</td>
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<td>Substance Notes: Potential hazard is de minimis as substance is unlikely to be released into environment during manufacturing, ordinary handling and use, or proper recycling.</td>
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<td>PIGMENT VIOLET 23 (DIOXAZINE PIGMENT)</td>
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<td>Substance Notes: None</td>
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<td>ACRYLIC</td>
<td>26299-47-8</td>
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</tr>
</tbody>
</table>
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>GreenGuard - Gold (previously Children &amp; Schools)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Third Party</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All Ceilume Facilities</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://spot.ulprospector.com/en/na/BuiltEnvironment/search?k=ceilume+-sustainable&amp;st=1">https://spot.ulprospector.com/en/na/BuiltEnvironment/search?k=ceilume+-sustainable&amp;st=1</a></td>
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<td>ISSUE DATE:</td>
<td>2000-01-01</td>
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<td>EXPIRY DATE:</td>
<td>2018-12-31</td>
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<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
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</tr>
</tbody>
</table>

**MULTI-ATTRIBUTE**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>IAPMO-UES Report 310</th>
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<td>CERTIFYING PARTY:</td>
<td>Third Party</td>
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<td>APPLICABLE FACILITIES:</td>
<td>All.</td>
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<td>CERTIFICATE URL:</td>
<td><a href="http://www.iapmoes.org/Documents/ER_0310.pdf">http://www.iapmoes.org/Documents/ER_0310.pdf</a></td>
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<tr>
<td>ISSUE DATE:</td>
<td>2013-11-12</td>
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<tr>
<td>EXPIRY DATE:</td>
<td>2017-11-30</td>
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<tr>
<td>CERTIFIER OR LAB:</td>
<td>IAPMO-Uniform Evaluation Service</td>
</tr>
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<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Evaluated in accordance with: NFPA 13-10 and -13, &quot;Ceilume Ceiling Tiles are Class A interior finish lay-in panels for use in approved suspended ceiling framing systems in non-fire-resistance-rated floor-ceiling or roof-ceiling assemblies. The panels comply with Section 803 of the 2015, 2012, 2009 and 2006 IBC.&quot; Fire sprinklers can penetrate ceiling panels or be installed ABOVE CEILING. In the event of a fire, panels soften and drop out of ceiling suspension system. This allows fire sprinklers to discharge normally and extinguish fire. In most instances, sprinklers will extinguish fire before ignition of ceiling panels that are located on relatively cool floor. This reduces the potential for products of combustion to be released. Many types of ceilings are damaged by smoke or sprinkler water and will require replacement after a fire. However Ceilume panels that are not directly exposed to fire are water resistant, will not support mold, and can be washed and reused; this improved their environmental footprint.</td>
</tr>
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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.

**ADHESIVE (OPTIONAL)**

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<td>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</td>
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When installing Ceilume products with adhesives, use a product with low VOC emissions such as Ceilume's Ceiling Tile Adhesive.

**CEILING SUSPENSION SYSTEM (OPTIONAL)**

**Condition When Recommended or Required and/or Other Notes:**
When installing Ceilume products in a ceiling suspension system, comply with ASTM C636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels and ASTM E580 - Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions. // Ceilume does not manufacturer suspension systems; products with high recycled-material content are available.

### Section 5: General Notes

Ceilume products are acoustic, decorative, available in many styles and colors, unaffected by water or moisture, hygienic, washable, highly stain resistant, easy to install, Class A-rated for surface burning characteristics, safe to handle, robust and resilient, and free of VOCs and potentially hazardous mineral fibers. They are recyclable without loss of material performance. They weigh 80% less than most mineral fiber ceiling panels - reducing the mass of materials used and transportation impacts. They are compatible with FDA and USDA requirements for drug and food processing areas, and meet FEMA Class 4 criteria for use in flood-prone areas. // This HPD is based on information from suppliers and is to the best of Ceilume's knowledge.

### Section 6: References

#### Manufacturer Information

**Manufacturer:** Ceilume  
**Address:** PO Box 511, Graton California 9, USA  
**Website:** www.ceilume.com/pro

**Contact Name:** David Condello  
**Title:** Commercial Accounts Manager  
**Phone:** 1-877-492-5605  
**Email:** pro@ceilume.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)
- **LT-P1** List Translator Possible Benchmark 1
- **LT-1** List Translator Likely Benchmark 1
- **LT-UNK** List Translator Benchmark Unknown (insufficient information)
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.