Using HPD 2.1 for USGBC’s LEED v4 Material Ingredients Credit

Option 1 requirements are shown in blue
Option 2 requirements are all Option 1 plus those shown in orange

Overall Requirement
The HPD must be complete as defined in the Checklist in the HPD Open Standard. HPDs created with the HPDC Online Builder and published in the Repository are complete. HPDs created with other tools should be checked against the Checklist.

Section 1: Summary

Basic Method/Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

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

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

Number of Greenscreen BM-4/BM-3 contents

Contents highest concern GreenScreen Benchmark or List translator Score

Nanomaterial:

INVENTORY AND SCREENING NOTES:

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPDO 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.

SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE

Threshold Level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

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 HPDO 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.

SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l):

Does the product contain exempt VOCs?

Are ultra-low VOC tests available?

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional changes.

VOC Emissions:

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?
- Yes
- No

PREPARER

VERIFIER

VERIFICATION #

SCREENING DATE:

PUBLISHED DATE:

EXPIRY DATE:

HPD v2.1 created via HPDC Builder

Last updated: August 18, 2017

Option 1: Must be 100 ppm or 1000 ppm per Product for Basic Inventory.

Option 2: Must be 100 ppm and must apply to all listed contents.

Options 1 and 2: Must be filled in and there is no minimum number of materials that must be “considered.” There must be explanation of consideration in Residual and Impurities Notes in Section 2.

Options 1 and 2: Link to functional website where HPD is available to download. Following are acceptable: “This HPD is published in the HPDC Public Repository www.hpd-collaborative.org/hpd-public-repository” OR a more specific address in the Repository.

Options 1 and 2: Must include (1) explanation of “other” thresholds.

Options 1 and 2: To qualify for 150% of cost may not be “Benchmark 1” or to qualify for 100% of cost may not read “LT-1”.

Options 1 and 2: Must be “Yes”
**Section 2: Content in Descending Order of Quantity**

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
</tr>
</thead>
</table>

| PRODUCT THRESHOLD: |

| RESIDUALS/IMPURITIES |

| OTHER PRODUCT NOTES: |

| RESIDUALS AND IMPURITIES CONSIDERED: |

| Basic Method/Product Threshold |

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 thresholds.
- 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)

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**SUBSTANCE NAME**

| ID: |

| %: |

| GS: |

| RC: |

| NANO: |

| ROLE: |

| HAZARDS |

| AGENCY(IES) WITH WARNINGS: |

| SUBSTANCE NOTES: |

| Options 1 and 2: Must be filled in for all listed contents and may not contain “BM-1”; “LT-1” |

| Options 1 and 2: Residuals and impurities consideration must be explained. |

| Options 1 and 2: May be “Unknown” or “Undisclosed” but must meet requirements for reporting % weight, role, and hazards |

| Options 1 and 2: May be “Unknown” or “Undisclosed” but must meet requirements for reporting % weight, role, and hazards |

| Options 1 and 2: Must be filled in for all substances |
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Name of Certification or Compliance</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
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<tbody>
<tr>
<td>CERTIFIER OR LAB</td>
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<tr>
<td>APPLICABLE FACILITIES</td>
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<tr>
<td>CERTIFICATE URL</td>
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<td></td>
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<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE OF CERTIFICATION</th>
<th>Name of Certification or Compliance</th>
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</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>ISSUE DATE</td>
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<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>ACCESSORY PRODUCT OR MATERIAL NAME</th>
<th>HPD URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES</td>
<td></td>
</tr>
</tbody>
</table>

Notes not provided in Materials Notes may be provided here.