How to Use the HPD Builder v2.2
A Live Walkthrough of the HPD Builder
John Geyer – Program Director
Vince Kronlein – Lead Developer
Millali Marcano – Technical Support Manager
Luke Zhou – Supply Chain TSG Co-Chair (Humanscale)
AGENDA

• Builder Overview (John)
• HPD v2.2 changes in the HPD Builder (Vince)
• Supplier HPD Extension in the HPD Builder (Vince)
• Q&A (John, Vince, Milla, Luke)
The HPD Open Standard and the HPD Builder

- The HPD Builder provides:
  - HPD-compliant, standardized data entry/management software,
  - HPD Open Standard compliance checking
  - HPD Public Repository publishing—authoritative distribution platform

- The HPD Builder API also:
  - Automates submission of product data created with other data management tools for HPD Open Standard compliance checking and publishing,
  - and automates export of data created in HPD Builder to other data management tools.
  - The API is currently implemented with Toxnot (& Declare). Connections to others are in development
HPDs as the standard for data reporting
HPDs as the standard for data reporting
HPDs as the standard for data reporting
What’s new:
Effective with the implementation of HPD v2.2 in the HPD Builder in May 2020:

• ingredient or component suppliers may report data on a **Supplier HPD**,  
• while manufacturers of complete products can continue to use the regular HPD format, now called the **Product HPD**.

The Supplier HPD provides a focused specification, a *proper subset* of HPD Open Standard data, for direct reporting of information by an ingredient supplier.

Supplier HPDs will be created using the Supplier HPD Extension to the HPD Builder. The Supplier HPD Extension allows manufacturers and their suppliers to be able to communicate and share information, including provisions for confidential business information, and be assured of compliance with the HPD Open Standard.
Supplier HPD Extension

Why?
Provides a standardized way for manufacturers to request information from suppliers and incorporate it directly into Product HPDs, while being compliant with HPD Open Standard and using automated tools to protect CBI.

Scope of change:
Supplier HPD is a “proper subset” of Product HPD data specification. Very little actual change to HPD Open Standard. Change is mostly as a software tool. Supplier HPD is not currently a public document.
Access to previously published records

Access to Parts and Materials Libraries

Inventory Threshold Options

Material Type

Substance Role, Screening Date

Manufacturer Attestation

HPD Builder v2.2

Dashboard / Supplier HPD Test / Build Record

Factory Lookup
Appendix Factory Libraries
Import Library items into your record.

Inventory Threshold Options
Material Type
Substance Role, Screening Date
Manufacturer Attestation

Access to previously published records

Classification
09 68 13 Tile Carpeting

Product Description
This HPD covers all products on Sustain Carpets. Sustain® Cushion Tile. Products construction includes Nylon 6.6 face fibers, thermoplastic laminate, polyurethane cushion and Sustain® scrim.

Threshold Disclosed Per:
- Material (Specific thresholds will be entered on each material entry screen; different materials may have different thresholds.)

Product - 100 ppm
Product - 1,000 ppm
Product - Per GHS SDS
Product - Other

Inventory and Screening Notes
This product has undergone the Cradle to Cradle Certification™ material health evaluation and has achieved Silver level certification. The assessment is conducted by an accredited assessor with expertise in toxicology and chemistry. Companies pursuing certification commit to phasing out problematic ingredients that have been identified. The materials health score indicates how much progress has been made in optimizing the product. Sustain's standard broadloom, High PerformancePC, and tile products,

MasterFormat® CSI Information
To support the Search function in the repository you must add CSI MasterFormat® Division and Section information when you publish the HPD. The preferred format is to include the CSI MasterFormat number and title as in the examples below:

CSI Division: 09 Finishes
CSI Section: 09 68 13 Tile Carpeting
If you don't have the full CSI information, the 2-digit and 6-digit CSI MasterFormat® numbers are acceptable, as is using a less specific CSI Section (e.g., 09 68 60 Carpeting).
HPD Builder demo
Support

HPDC Support Portal

How can we help you today?

Enter your search term here...

SEARCH

Solution home / Supplier HPD Extension

General Information about the Supplier HPD

What is the Supplier HPD Extension? and How is it different from the Product HPD?
The Health Product Declaration (HPD) is a flexible format that is most often used by manufacturers to report...
Thu, 23 Apr, 2020 at 6:24 PM

What is the Supplier HPD Builder Extension? How do I access it?
The Supplier HPD Extension to the HPD Builder allows suppliers to provide complete and accurate content in...
Thu, 23 Apr, 2020 at 5:56 PM

How do I connect the HPD Builder with the Supplier HPD Extension?

Contact us at:
support@hpd-c.org
Q&A and followup

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jgeyer@hpdcollaborative.org

Millali Marcano – Technical Support Manager
mmarcano@hpdcollaborative.org

Vince Kronlein – Lead Developer

Luke Zhou – Supply Chain TSG Co-Chair (Humanscale)
Coming Next Week

• Webinar #3 in the Series:
• Introducing the Supplier HPD Extension to the HPD Builder: A Live Walk Through of the Supplier HPD Extension
• Wednesday May 13th 1:00 PM EDT
• https://www.hpd-collaborative.org/hpd-open-standard-v2-2-full-implementation-webinars/
HPD Builder demo
Upgrading older HPD records to HPD v2.2
Archives

With the implementation of the 2.2 Standard compliance of the HPDC Builder, we now track a snapshot of each individual publishing event, giving you real-time capture of the actual data sent with each HPD you publish.

Prior to this version, 2.1.1 and below, we did not do this. So below you’ll find a list of all HPD’s currently published on the HPD Public Repository by version number. You can view the metadata published for each HPD or view the actual published HPD for downloading or reference.

**ROADMAP**
1. Add ability to withdraw archived HPD’s
## Material Library

### HPD Collaborative Materials Library

<table>
<thead>
<tr>
<th>Reference Name</th>
<th>Name</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>face-yarn-6023</td>
<td>FACE YARN</td>
<td></td>
</tr>
<tr>
<td>Door Skins with Backing</td>
<td>Door Skins with backing</td>
<td></td>
</tr>
<tr>
<td>Backing - Standard 1</td>
<td>Backing</td>
<td></td>
</tr>
<tr>
<td>Red Pine - SC 1</td>
<td>SC:Bio:Red Pine</td>
<td></td>
</tr>
<tr>
<td>Milla Face Yarn</td>
<td>FACE YARN</td>
<td></td>
</tr>
</tbody>
</table>

Showing 1 to 5 of 14 records

### Factory Menu
- Factory Floor

### Settings Menu
- Companies
- Products
- Special Conditions
- Stats
- Support
- Third Parties
- Users
- Verifications
What’s being changed:

New field: A broad classification of a material based on chemical makeup and molecular structure. Manufacturers will select from a list of options the most accurate classification describing a material. Typical entries may include Metal, Ceramic, Polymeric Material, Glass, etc.
**Material Type**

**Why?**

The purpose of this field is to help HPD users read an HPD and to gain a picture of what kinds of materials they are working with and how the product fits together.

Provides signposts so that you can see what kind of material you are looking at when you see a list of substances (often with technical names).
Material Type

Scope of change:
- Manufacturers will be prompted to enter a Material Type for any Material being included in a Nested Inventory.
- The HPD Builder will have a list of suggested options, and manufacturers may also enter their own term.
- New field on format to display data.
What’s being changed:
Field has been renamed “Substance” role rather than just “Role,” and manufacturers will select from a drop-down list with dozens of possible terms such as binder, antimicrobial, flame retardant, catalyst, preservative, etc.

Why?
• Currently as an open field, this field is used without consistency from HPD to HPD, and data quality is low.
• Use of this field is important to understanding how a substance is being used.
• Clarify that we are asking for the role of this specific substance – not the role of the material the substance is a part of.
• Improve accuracy of current “role” field by suggesting long list of options to choose from. (Reduce head-scratching for manufacturers trying to describe their formulations.)
• Resulting data set should be much more useful for research purposes. As we collectively understand what substances are being used for what roles, that data can begin to indicate which substances are less hazardous for a given role.

Scope of change:
• When entering Substance Role, you will choose from a dropdown menu of options rather than entering free text.
Here's a sample of the data that gets entered in this field as free text. For example, “Ingredient” is not a role and does not provide intended transparency. Spelling errors or variations are also common, e.g. “Dispersant” vs. “Dispersent,” and manufacturers have multiple ways of referring to virtually the same thing, for example: Viscosity modifier, thickener, rheology modifier, flow modifier, pour point depressant, thixotropic agent, thixotrope, turbulence suppressor.
2.2.2.7 Substance Role

Select a term that captures the substance’s purpose or function for inclusion in the material (Nested Materials Inventory) or product (Basic Inventory). Examples include: binder, antimicrobial, flame retardant, catalyst, preservative, etc. See Best Practices Guidelines for Material and Substance Characterization [link] for a complete list of suggested entries.

Edit Standard Substance

Material Attached: 
FACE YARN

Substance Name *
NYLON 6,6

Do not disclose the name of this substance on the HPD

Minimum Percentage *
52.20

Maximum Percentage
55.00

This substance is an impurity or residual

Is this product a nano material? *
Yes  No  Unknown

Substance Role *
Structure component

Recycled Content *
- Both (Pre and Post Consumer)
- PostC (Post Consumer)
- PreC (Pre Consumer)
- None
- UNK (Unknown)

Substance Notes
No warnings found on HPD Priority Hazard Lists
Substance Role

2.2.2.7 Substance Role
Select a term that captures the substance’s purpose or function for inclusion in the material (Nested Materials Inventory) or product (Basic Inventory). Examples include: binder, antimicrobial, flame retardant, catalyst, preservative, etc. See Best Practices Guidelines for Material and Substance Characterization [link] for a complete list of suggested entries.

Substance Roles

<table>
<thead>
<tr>
<th>Substance Role</th>
<th>Definition</th>
<th>Synonyms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion resistance</td>
<td>Increases the strength or hardness of a material.</td>
<td>reinforcing agent, scratch resistance</td>
</tr>
<tr>
<td>Abrasive</td>
<td>Used to abrade, smooth, scour, scrub, clean, wear down, or polish a surface by rubbing; usually fine powders of hard substances.</td>
<td>polishing agent, honing agent, grinding agent</td>
</tr>
<tr>
<td>Absorbent</td>
<td>Retains other substances by assimilation.</td>
<td></td>
</tr>
<tr>
<td>Accelerator</td>
<td>Increases the rate at which a process occurs; usually refers to the cure process in thermosetting resins.</td>
<td>curing agent</td>
</tr>
<tr>
<td>Activator</td>
<td>Stimulates or initiates a chemical process.</td>
<td>hardener</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Joins opposite surfaces to each other, promotes bonding between other substances, promotes adhesion of surfaces, or fastens materials together. Generally applied from a solvent solution and allowed to dry on the two facing surfaces.</td>
<td>glue, paste, coupling agent, gum, adhesive cement, bonding agent, inner coating, anchor coating</td>
</tr>
<tr>
<td>Adsorbent</td>
<td>Retains other substances by accumulation on their surface or by assimilation.</td>
<td></td>
</tr>
<tr>
<td>Alloy element</td>
<td>Metallic or non-metallic elements such as aluminum, boron, chromium, cobalt, copper, manganese, nickel, silicon, titanium, tungsten, vanadium, zirconium, added in specified or standard amounts to a base metal to make an alloy.</td>
<td></td>
</tr>
</tbody>
</table>
Screening Date

What’s being changed:
The Screening Date for the Product HPD will be the earliest of any screening dates from the underlying substances.

Why?
Suppliers can pass hazard screening of substances to manufacturers on a Supplier HPD, which will have its own screening date. Manufacturers building a Product HPD from their own substance screening and from Supplier HPDs means that more than one screening date may be in play on a product's HPD. Given this, we concluded that the HPD should show one screening date, and it should be the oldest.

Scope of change:
• The calculation of the appropriate product HPD Screening Date, following these rules, will be automated in the HPD Builder.
Removed “OSHA MSDS” from Inventory Threshold Options

What’s being changed:
OSHA MSDS no longer an option for inventory threshold.

Why?
It has been phased out and fully replaced by GHS SDS. Most manufacturers have already made this change. (SDS level is still not LEED-compliant, so consider 100 ppm or 1,000 ppm threshold.)

Scope of change:
• Will no longer be an option in Builder or to display on HPDs.
What’s being changed:
For each revision to HPD v2.2 requirements, we also revise and update our checklist of what is required for a “Compliant HPD” to be published.

Why?
The checklist for a compliant HPD is an important summary of what a complete HPD comprises.

Scope of change:
• The Checklist for a Compliant HPD has been updated.
• This also supports the automated HPD Completeness Check in the HPD Builder. That has been updated too.
What’s being changed:
The attestation statement that was only in the Instructions now also appears on the HPD format next to the contact information.

By the way—this is not a change, but GBCI has increased oversight of this. The contact listed should be a person—not a department, etc.

Why?
Makes the attestation stronger if it is being more clearly made in public. Provides more transparency to HPD users that the attestation is part of the function of the listed contact.

Scope of change:
• No change to HPD Instructions or HPD Builder. New statement on HPD format.
**Updated Key**

**KEY**

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GLO Global warming</th>
<th>OZO Ozone depletion</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAN Cancer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN Land toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUL Multiple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEU Neurotoxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NF Not found on Priority Hazard Lists</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PBT Persistent, bioaccumulative, and toxic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY Physical hazard (flammable or reactive)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RBP Reproductive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REB Respiratory sensitization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKI Skin sensitization/irritation/corrosivity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNK Unknown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GreenScreen (GS)**

| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible 1 (Possible Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator 1 (Likely Benchmark-1) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score) |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS No GreenScreen |
| BM-U Benchmark Unspecified (due to insufficient data) |                     |

**Recycled Types**

| PreC Pre-consumer recycled content | PostC Post-consumer recycled content | UNK Inclusion of recycled content is unknown | None Does not include recycled content |

**Other Terms:**

- GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**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
Service Applications

**HPDC External Service Applications**

The applications below provide various integration services with HPDC Builder and allow you to interact with them by creating a signature token in the Token Repository.

**Supplier Platform**

- Connected
Token Repository

Service Application Tokens

Service Application Tokens are tokens that external services HPDC integrates with can use to validate your identity in your Builder account. When you request an action from a Service Application, this token is used to generate an access token so that the Builder can talk to the Service.

<table>
<thead>
<tr>
<th>Name</th>
<th>Token</th>
<th>Scopes</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier Platform</td>
<td>*****06dd</td>
<td>personal</td>
<td>Delete</td>
</tr>
</tbody>
</table>
Creating a Request

New Supplier Request

Please fill in the fields below to generate a new Supplier Request on our Supplier Platform. The Supplier will be notified and you will receive a copy of your sent info in your Supplier Requests table, as well as an email for your records.

If the Supplier chooses to complete a Supplier HPD, you'll be notified and will be able to import said HPD into your Supplier Parts Factory.

Supplier Name *
Supplier Name ...
Supplier company name

Supplier Contact *
Supplier Contact ...
Supplier contact person

Supplier Email *
Supplier Email ...
Supplier contact person email

Product Name *
Product Name ...
Name of the product sold by the Supplier

Product ID *
Product ID ...
Product identifier or SKU

Choose a Threshold *
Select a Threshold ...
Requested threshold level

Completion Date
Completion Date ...
Requested completion date

Your Name *
Milai Marcano
Manufacturer contact name

Your Email *
mmarcano@hpdcollaborative.org
Manufacturer contact email

Your Telephone *
Manufacturer contact telephone number
### HPD Collaborative Supplier Requests

<table>
<thead>
<tr>
<th>Part</th>
<th>Created By</th>
<th>Status</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenest Carpet Tile</td>
<td>John Geyer</td>
<td>imported</td>
<td><img src="image" alt="4" /></td>
</tr>
<tr>
<td>Greener Carpet Tile</td>
<td>John Geyer</td>
<td>reopened</td>
<td><img src="image" alt="3" /></td>
</tr>
<tr>
<td>Green Carpet 2</td>
<td>John Geyer</td>
<td>reopened</td>
<td><img src="image" alt="2" /></td>
</tr>
<tr>
<td>Green Carpet Tile 3</td>
<td>John Geyer</td>
<td>reopened</td>
<td><img src="image" alt="1" /></td>
</tr>
</tbody>
</table>

4 records
Previewing a Submitted Request
## Importing the Part to the Library

### HPD Collaborative Supplier Requests

<table>
<thead>
<tr>
<th>Part</th>
<th>Created By</th>
<th>Status</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenest Carpet Tile</td>
<td>John Geyer</td>
<td>imported</td>
<td></td>
</tr>
<tr>
<td>Greener Carpet Tile</td>
<td>John Geyer</td>
<td>reopened</td>
<td></td>
</tr>
<tr>
<td>Green Carpet 2</td>
<td>John Geyer</td>
<td></td>
<td>Preview</td>
</tr>
<tr>
<td>Green Carpet Tile 3</td>
<td>John Geyer</td>
<td>reopened</td>
<td></td>
</tr>
<tr>
<td>Carpet Tile W BOM</td>
<td>John Geyer</td>
<td></td>
<td>Preview</td>
</tr>
</tbody>
</table>

5 records
Using Factory Lookup to Import the Part to a Product HPD
Reviewing the Part in the Product HPD

### Factory Lookup
- **Appendix Factory Libraries**
  - Import Library items into your record.

### General Information
- **Section 1 Summary**
  - Enter product information and threshold.

### VOC Content Data
- **Section 1 Summary**
  - Enter VOC content data.

### Materials
- **Section 2 Content Inventory (Nested)**
  - Enter materials for your product.

### Substances
- **Section 2 Content Inventory**
  - Enter substances for your materials.

### Certifications
- **Section 3 Certification & Compliance**
  - Enter documentation details.

### Table: Materials (Section 2: Content Inventory)

<table>
<thead>
<tr>
<th>Name</th>
<th>Created On</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACE YARN</td>
<td>2020-04-24 12:35:55</td>
</tr>
<tr>
<td>White cushion</td>
<td>2020-05-01 15:05:51</td>
</tr>
<tr>
<td>Wood legs</td>
<td>2020-05-01 15:05:51</td>
</tr>
<tr>
<td>Wood legs</td>
<td>2020-04-24 13:25:00</td>
</tr>
</tbody>
</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 2.1.1, available on the HPD Collaborative website at: www.hpd-collaborative.org/hpd-2-1-1-standard

FACE YARN

%: 53.6000

MATERIAL THRESHOLD: Per OSHA MSDS
RESIDUALS AND IMPURITIES CONSIDERED: No
MATERIAL TYPE: Plant-Based Fiber

RESIDUALS AND IMPURITIES NOTES: No residual notes are set here since the notes are not considered.

OTHER MATERIAL NOTES:

DIETHYLENE GLYCOL DIMETHYL ETHER (DIETHYLENE GLYCOL DIMETHYL ETHER)

ID: 111-96-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2018-12-14

%: 2.0000
CS: LT-1
RD: None
NANO: No
SUBSTANCE ROLE: Fire Retardant