What’s New in HPD Open Standard v2.2
An Overview of Changes in the HPD Builder
AGENDA

- Context for key updates to HPD Open Standard v2.2. (Tristan)
- HPD v2.2 changes and overview of each (Tristan)
- Implementation on the HPD Builder (Milla)
- Q&A (Tristan, John, Milla)
HPD Open Standard
Version 2.2
What Is the HPD Open Standard?

Three Component Parts

• “The Format” – standardized reporting format
• “The Instructions” – step-by-step reporting instructions
• “Best Practices” – specialized guides on key topics such as hazard screening, residuals & impurities, etc.
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.
Section 2.1.2.2: Residuals and Impurities

What’s being changed:
Previously it was only suggested that HPDC's Emerging Best Practices guidance be followed, it is now required to follow that guidance in order to mark residuals or impurities as “considered.”

Why?
This provides clarity for manufacturers about how that term is defined, and prevents less-rigorous usages of it.

Scope of change:
No impact on HPD Builder. Most manufacturers were using this guidance, or their procedure was compatible with this guidance.
Section 2.1.2.4 Inventory Threshold

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.
2.1.5.2 Pre-Checked for Consistency with Other Programs

What’s being changed:
The specific requirements for how the LEED v4 pre-check is completed are moving to a “Best Practices” guide. This is a PDF published separately from the HPD Open Standard instructions document, and available on the HPDC website.

Why?
LEED is updated on a different schedule than the HPD Open Standard. We can update this document for LEED, and potentially other programs, without issuing an entire new HPD version.

Scope of change:
- Procedural change to how HPDC updates requirements.
- LEED v4/v4.1 Pre-Checks will be updated as needed in the Best Practices guide.
2.1.6.5 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.
2.2.1.7 Material Type

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.
2.2.1.7 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).
2.2.1.7 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:
New requirement: When the Notes include qualifications related to context, e.g., chemical exposure or risk assessment, the manufacturer is directed to provide specific citations to relevant published reports.

Why?
Manufacturers use Notes to put hazards in context of risk and exposure. By providing citations, HPD users have the ability to conduct their own research and verification of the science.

Scope of change:
• If entering Material or Product Notes, or Substance Notes, related to chemical exposure and risk assessment, provide citations to published reports.
2.2.1.8 Other Material or Product Notes

2.2.2.11 Substance Notes

**Why?**
Manufacturers use Notes to put hazards in context of risk and exposure. By providing citations, HPD users have the ability to conduct their own research and verification of the science.

**Scope of change:**
- If entering Material or Product Notes, or Substance Notes related to chemical exposure and risk assessment, provide citations to published reports.
2.2.2.4 GreenScreen® for Safer Chemicals

What’s being changed:
New information on the Key and Instructions: GreenScreen Benchmark scores sometimes carry subscripts that provide context for how a score was determined. These subscripts are DG (data gap), TP (transformation product) and CoHC (chemical of high concern). Explanation of these scores has been added.

Also, the text in this section has been rewritten to more clearly describe the hierarchy of GreenScreen scoring: Benchmark scores are used if publicly available, then List Translator scores, then “NoGS” if neither applies.

Why?
These GreenScreen scores appear sometimes and warrant explanation.

Scope of change:
• No change to the manufacturer completing the HPD. Scores imported automatically in HPD Builder. Explanations shown on Key.
2.2.2.7 Substance Role

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.
2.2.2.7 Substance Role

Why?
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, thixotopic 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 is 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
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.
2.2.2.8 Hazards, Agency(ies) with Warnings

What's being changed:
The use of an automated tool will now be required for hazard screening in order for an HPD to be compliant with the Standard. This requirement pertains to the use of an automated List Translator tool, enhanced (as it is with both Pharos and Toxnot) to provide the additional information necessary to complete HPD Hazard Warnings.

Why?
Since hazard screening is hardly ever done manually, and is virtually impossible to do to a high degree of accuracy, it's time to move to require automation. The introduction of two alternative tools to the existing Pharos implementation, (Toxnot and Data Commons) provides manufacturers with sufficient low-cost or free options to make this the right time to tighten this requirement.

Scope of change:
• Procedural change that most manufacturers have already adopted via use of HPD Builder and/or tools like Toxnot.
2.6.1.3 Contact Name

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.
3. Variations

3.0 Introduction

This chapter addresses potential variations that might be appropriate in specific situations and may be used to create a compliant HPD. These include:

- Listing multiple products or products with variable contents in a single HPD:
- Special conditions for materials or substances.

What’s being changed:
This section of the HPD instructions has been rewritten to reflect market feedback. The reality is that color and style variations, size variations, optional parts, and many other factors lead to product variations. When should those all be captured on one HPD, and when should they be captured on multiple HPDs? We have rules for that, which were rewritten for this v2.2 release.

- 3.1 Listing Multiple Products or Products with Variable Content in a Single HPD
  - 3.1.0 Multiple Products in a Single HPD
  - 3.1.1 Multiple Products with Content Differences Greater Than 10%
  - 3.1.2 Alternate Materials or Substances
  - 3.1.3 Variable Composition Due to Multiple Suppliers
  - 3.1.4 Products Composed of Combinations of Parts
# 3. Variations

## What are the rules?

A series or category of products may be grouped together in a single HPD if all of the following apply:

- the products are functionally similar,
- each of the products has identical content OR the content differences between the products or product types account for **10% or less of the total mass** of each product, and
- all of the information provided in HPD Format Section 3: Certifications and Compliance [See 2.3] applies to all products included.

To list multiple products or product types in a single HPD:

- All contents present in any of the products or product types at or above the selected Threshold(s) must be included in the Content Inventory.
- All variances between the grouped products must be explained in the Other Material or Product Notes [See 2.2.1.7] and/ or Substance Notes [See 2.2.2.9], if possible, or in HPD Format Section 5: General Notes [See 2.5].
3. Variations

**What’s being changed:**
Content differences between multiple products reported on a single HPD may vary by more than 10% if:

- All other requirements in 3.1.0 Multiple Products in a Single HPD are met, AND
- The HPD uses a Nested inventory method, AND
- The variation in content beyond 10% is due to varying proportions of materials and substances, and not due to varying composition.

**Why?**
HPD users value more knowing whether or not a substance is present in a product. When only the proportions of those substances are varying while the product stays the same, it is helpful to see these on the same HPD. This also reduces the need for manufacturers to create a large number of HPDs on the same product.

**Scope of change:**
- These rules are in the HPD instructions. How you apply them as a manufacturer always requires some judgment.
- They are not enforced in automated checks in the HPD Builder.
- They are part of the verification process, GBCI spot-checks, and HPDC quality control checks. Important to be aware of them!
4. Checklist for a Compliant HPD

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.
5. Glossary

What’s being changed:
Minor but important updates to the Glossary

Why?
With every release of the HPD Open Standard, we review the entire standard for clarity, including the glossary. In v2.2, some terms, like Material, needed updates to harmonize better with other systems, especially C2C, while taking into account the Supplier HPD.

Scope of change:
• Text updates to the Glossary. No HPD Builder or format implications. Good reading material if you want to check your understanding of key concepts!
HPD Builder demo
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

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 5 Certification & Compliance
- Enter documentation details.

Accessories
- Section 4 Accessories
- Enter product accessory information.

General Notes
- Section 6 General Notes
- Enter additional notes.

Contact Info & Publication
- Section 6 References
- Enter references and publish your HPD.

Classifications
- 09 68 13 Tile Carpentry

Product Description
- This HPD covers all products by Sustain Carpets. Sustain® Cushion Tile. Products construction includes Nylon 6.6 facing, 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 material 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 Carpentry
  - 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 Carpentry).
Upgrading older HPD records to HPD v2.2
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@hpdc.org
Q&A and followup

Tristan Roberts – Technical Director
troberts@hpdcollaborative.org

John Geyer – Program Director
jgeyer@hpdcollaborative.org

Millali Marcano – Technical Support Manager
mmarcano@hpdcollaborative.org