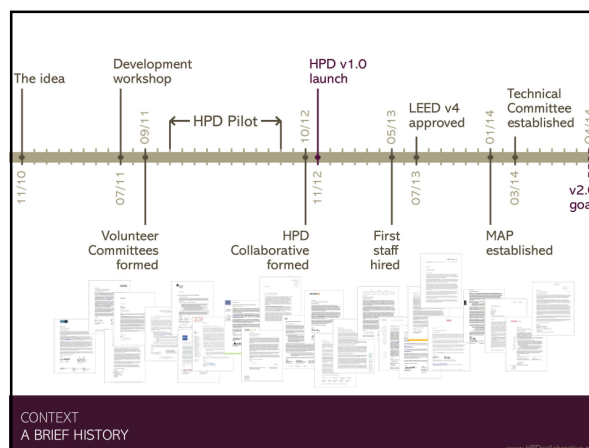
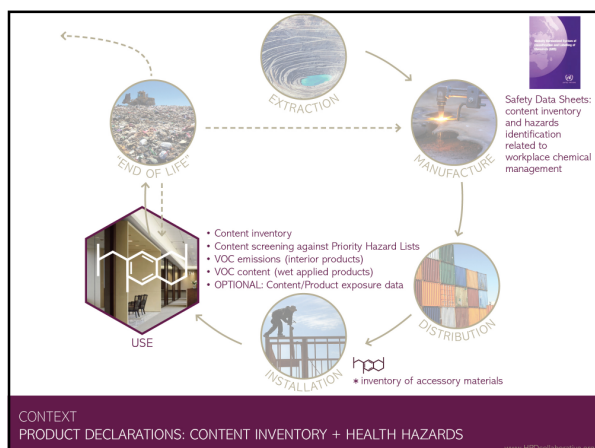
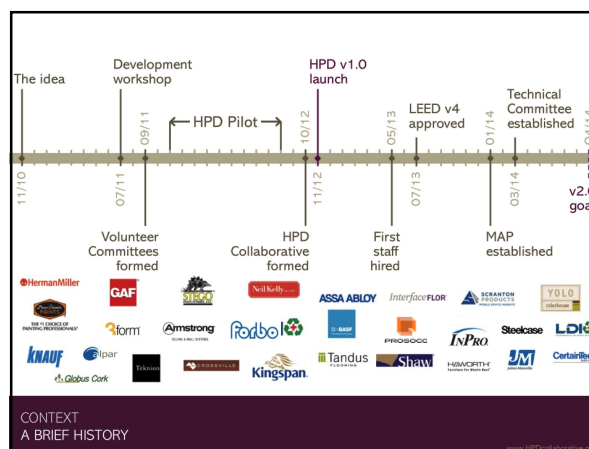
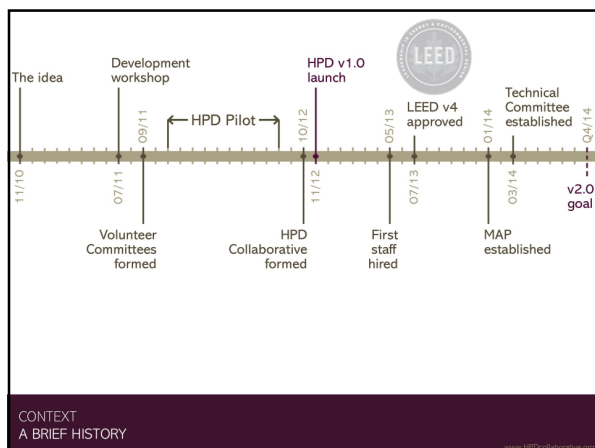


Required	Optional
<ul style="list-style-type: none"> • Resource consumption (e.g., energy, water) • Emissions to air, water, soil • Climate change • Ozone depletion • Acidification of land and water • Eutrophication • Photochemical oxidants formation • Depletion of Abiotic Resources <ul style="list-style-type: none"> • Fossil energy • Minerals 	<ul style="list-style-type: none"> • Biodiversity • Human and/or environmental toxicity • Geographical aspects • Product environmental performance • Use of Environmental Management System • Other environmental certification program(s) • Recycling or recovery activities • Other LCA data • Instructions and limits for efficient use • Human and/or environmental hazard and risk assessment • Environmentally significant material(s) • Preferred waste management option • Potential for incidents that can have impact(s) on the environment





Levels of Disclosure
Identify granularity of content inventory
Use Disclosure Notes to clarify

Intentional Ingredients
Each discrete substance added by manufacturer that exists in product as delivered for end use

Residual Ingredients
Trace substances remaining from or created during manufacturing process; OR
Contaminants that come with raw materials

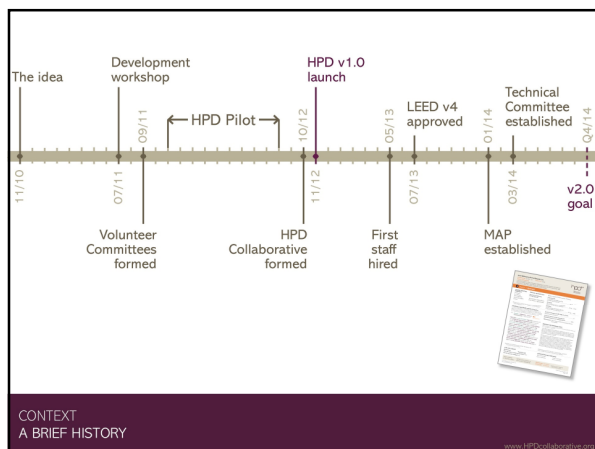
CONTENT LINE ITEM ENTRY OPTIONS:

- Specific name w/CAS RN
- Generic name
- "Undisclosed"
- "Unknown"

hazard screening possible by manufacturer
hazard screening possible by supplier

**KEY TERMS
VARIABLE DISCLOSURE LEVELS**

www.HPDCollaborative.org



an at-a-glance understanding of the information included

CONTENT INVENTORY THRESHOLD

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

RESIDUAL METHODOLOGY

Residuals considered in # of # materials

- ☐ see Section 2: Material Notes
- ☐ see Section 5: General Notes
- ☐ Other

Based on selected Content Inventory Threshold, Characterized:

Are the Percent Weight and Role provided for all contents? ☐ Yes ☐ No

Screened:

Are all contents screened using Priority Hazard Lists with results disclosed? ☐ Yes ☐ No

Identified:

Are all contents disclosed by Specific or Generic Name and Identifier? ☐ Yes ☐ No

* Some content "Unknown" by the product manufacturer has been characterized and screened for hazards by material supplier(s)

**VERSION 2.0
SECTION 1: SUMMARY**

www.HPDCollaborative.org

the Health Product DECLARATION is...

a consistent language for product content reporting

an inventory tool

a format for screening content health hazards

AN OVERVIEW

www.HPDCollaborative.org

direct correlation between contents and hazard screening details

CONTENTS IN DESCENDING ORDER OF QUANTITY

Summary includes results from screening individual product contents against HPD Priority Hazard Lists and GreenScreen For Safer Chemicals. Screening based on best available information; "Not Found" is not equal to no hazard potential. The HPD does not assess exposure or risk.

KEY: MATERIAL | INGREDIENT | RESIDUAL

STEEL [TYPE] NF; P1001 ISOCYANATE [P-MDI] [TYPE] CAN [MATERIAL] [RES] [SKE]; DIPHENYLMETHANE-4,4'-DIISOCYANATE [TYPE] CAN [MATERIAL] [RES] [SKE]; MDI MIXED ISOMERS [TYPE] CAN [MATERIAL] [RES] [SKE];

INVENTORY AND SCREENING NOTES

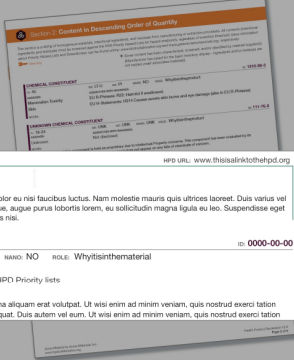
Refer to Section 2 for detailed content information and explanatory notes, and to the last page for HPD scope.

Lowen ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exercitation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

**VERSION 2.0
SECTION 1: SUMMARY**

www.HPDCollaborative.org

shows the nested relationship between a material and its chemical constituents



MATERIAL NAME ~ 27-31 **Residue:** Considered **HPD URL:** www.thislinktothehpdpd.org

NOTES:
 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ac dolor eu nisi faucibus luctus. Nam molestie mauris quis ultrices laoreet. Duis varius vel justo sit amet venenatis. Duis interdum, nisi nec pharetra pellentesque, augue purus lobortis lorem, eu sollicitudin magna ligula eu leo. Suspendisse eget agestas mauris. Donec est est, varius vitae tristique eu, placerat quis nisi.

CHEMICAL CONSTITUENT **id:** 0000-00-00

%	GS	LTU	RO	NO	NAME	ROLE	Why? in the material
61.5							
HAZARDS:							
None Found							
AGENCIES WITH WARNINGS:							
No warnings found on HPD Priority lists							
NOTES:							
Sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum. Ut wisi enim ad minim veniam, quis nostrud exerci tation							


VERSION 2.0
SECTION 2: CONTENTS IN DESCENDING ORDER OF QUANTITY

www.hpdcollaborative.org

Content Screenings Focus On Hazards, Not Risk

Hazard
 Any source of potential damage or adverse health effects -- the intrinsic possibility of something causing harm

Risk
 The chance or probability that there will be harm or an adverse health effect based on an exposure to a hazard



KEY TERMS
CONTENT INVENTORY

www.hpdcollaborative.org

Material Content Inventory: an enhanced ability for suppliers to directly feed information into HPDs

Select material category guidelines

Document simplification, language modifications



VERSION 2.0
OTHER KEY UPDATES

www.hpdcollaborative.org

Sample Product

Begin building your HPD by following the checklist to the right. After completing each section, click the blue arrow to proceed to the next section.

HPD Status
 An HPD has not yet been published for this product. Follow the steps to create your HPD, starting with the "General Product Information" button below.

Next General Product Information

OPTIONS:

- Self-Published
- In-development: Third Party Verification

HPD BUILDER
HOW MANUFACTURERS PUBLISH HPDs – FREE ONLINE TOOL

www.hpdcollaborative.org

Hazard Screening

- of individual product contents
- 15 health endpoints, use phase focused

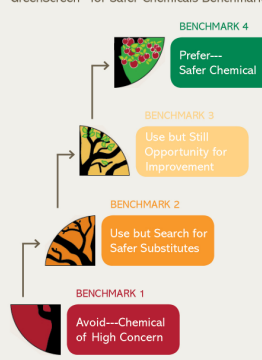
Priority Hazard Lists
hpdcollaborative.org/use-the-hpd/priority-hazard-lists

- chemicals and their association to human health (or environmental) hazards
- based on expert assessment of scientific evidence by a recognized authoritative body

GreenScreen™
www.greenscreenchemicals.org

- developed by Clean Production Action
- ranks chemicals along 4-point scale from most toxic to most benign
- Full Assessment or List Translator
- can guide Alternative Assessment efforts

GreenScreen™ for Safer Chemicals Benchmarks



KEY TERMS
HAZARDS SUMMARY

www.hpdcollaborative.org

Published HPDs posted in manufacturers' technical libraries

Also can be posted to other databases, such as:



additional partners welcome!

PRODUCT DATABASES
HOW CONSUMERS LOCATE PUBLISHED HPDs

www.hpdcollaborative.org



Technical Committee

- 13 subject matter experts, supported by informal group of additional advisors
- Preserves the integrity of HPD content
- Responsible for interpretation, revision and expansion of the standard

Manufacturers Advisory Panel

- Provides direct feedback + recommendations of individual companies or via work groups
- Open to any manufacturer with an HPD in-progress or published

Other programs

- Collaboration with complimentary product standards, labels, evaluation tools

LEARNING AS WE GO
HOW THE HPD EVOLVES OVER TIME

www.HPDCollaborative.org



MANUFACTURERS ADVISORY PANEL (MAP)
53 COMPANIES, AND COUNTING...

www.HPDCollaborative.org

USGBC Funded Research

5 PROGRAMS:

- GreenScreen™ for Safer Chemicals
- Cradle to Cradle Certified™ Products Program
- Pharos™
 - Chemical & Material Library
 - Building Product Library
- Health Product Declaration™
- Declare™

Material Health Evaluation Programs Harmonization Opportunities Report

August 20, 2013

Report of the Material Health Harmonization Task Group

Loren Heine
Clean Production Action

Mattias Kauch, Susan Kosterhaus & Stacy Glass
Cradle to Cradle Products Innovation Institute

Tom Lert
Healthy Building Network

HARMONIZATION
usgbc.org/resources/material-health-evaluation-programs-harmonization-opportunities

www.HPDCollaborative.org

By disclosing hazardous chemicals, manufacturers will be motivated to clean up their products.

$$\text{PMP} - \text{C}(\text{C}(\text{X})\text{M})_2\text{O} + \text{H} \xrightarrow[\text{DMSO}]{\text{NaOH, MeI}} \text{PMP} - \text{C}(\text{C}(\text{H})_2\text{OMe})_2$$

THE FUTURE OF TRANSPARENCY
PROMOTING A GREENER CHEMISTRY

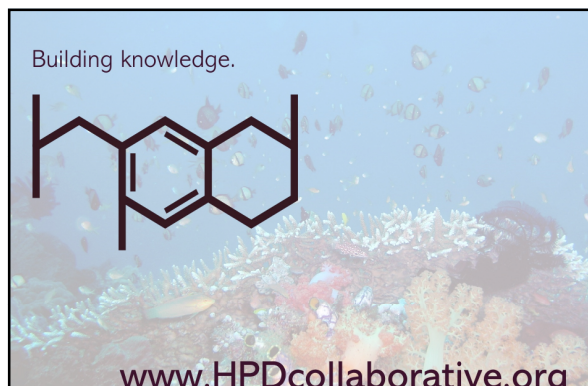
www.HPDCollaborative.org



HARMONIZATION
HPD REFERENCED IN BUILDING RATING SYSTEMS

www.HPDCollaborative.org

Building knowledge.



www.HPDCollaborative.org
https://HPDCfoundation.org

www.HPDCollaborative.org