Chemical Footprint Project: Demonstrating Leadership

Moderator:  
**Sally Edwards**, Lowell Center for Sustainable Production

Panelists:
- **Cheri Peele**, Clean Production Action
- **Cristina Indiveri**, Vizient
- **Philip Ivey**, Milliken
- **Lauren Zulli**, Herman Miller
Chemical Footprint Project (CFP)

CFP Survey

Chemical Footprinting

Mark S. Rossi, PhD and Wanda Ratliff, MS
CFP SIGNATORIES
Investors, Health Care, Governments, NGOs, and Retailers

Signatories are:
• Investors with $2.78 trillion in assets under management (AUM)
• Health care systems, group purchasing organizations, & retailers with over $700 billion in purchasing power

Investors include ...
• Bank J Safra Sarasin
• BNP Paribas Investment Partners
• Boston Common Asset Management
• Calvert Research & Management
• Impax Asset Management
• Legal & General Investment Management
• Rhode Island Treasury
• The Sustainability Group of Loring, Wolcott & Coolidge
• Trillium Asset Management

Health Care & Retail includes ...
• CVS Health
• Walmart
• Dignity Health
• Kaiser Permanente
• Vizient
CFP Survey:
19 Questions = 100 points
Participants in 2017 Survey

- **Building / Furnishings**: Construction Specialties, Herman Miller, Humanscale, Kimball Hospitality, Milliken, Naturepedic, Nora Systems
- **Cleaning / Personal Care**: Beautycounter, California Baby, Ecolab, GOJO Industries, Kimberly Clark, RB, Sealed Air Corp / Diversey, Seventh Generation
- **Medical devices/supplies**: BD, Case Medical, J&J
- **Technology**: HP Inc., Seagate Technology
- **Retail**: Walmart
- **Toys**: Radio Flyer
Companies selling formulated products are greater % of responders:
- 21% in 2015
- 63% in 2017
Management Strategy Improvements


- 2015: 37%
- 2016: 52%
- 2017: 73%

- 2015: 42%
- 2016: 45%
- 2017: 67%
Full Chemical Ingredient info up 17%
CFP Survey, 2015–2017: Chemical Inventory, Full Chemical Ingredient Data, percent of companies and the percent of products for which they collect full chemical ingredient information, question 14

- 2015: 46% 38%
- 2016: 63%
- 2017: 17% 13% 8%

percent of products with full ingredient information
“Chemical Footprint”

the total mass of chemicals of high concern (CoHCs) in:
products, manufacturing operations, supply chains, and packaging.

Chemical of High Concern (CoHC):
• carcinogen, mutagen, or reproductive toxicant (CMR),
• persistent, bioaccumulative and toxic substance (PBT),
• any other chemical for which there is scientific evidence of probable serious effects to human health or the environment that give rise to an equivalent level of concern, or
• a chemical whose breakdown products result in a CoHC that meets any of the above criteria
Footprint calculations on the rise

29%  
2015

63%  
2016

75%  
2017
Footprint Measurement (F2)

- 2015: 17% SVHCs, none, 71% SVHCs, count
- 2016: 4% SVHCs, none, 29% SVHCs, count, 38% SVHCs, mass
- 2017: 8% SVHCs, none, 21% SVHCs, count, 25% SVHCs, mass, 13% CoHCS, mass, 4% CoHCS, count, 8% CoHCS, none
Companies publicly sharing answers +/- or scores on chemicalfootprint.org: Beautycounter, BD, Case Medical, GOJO, Humanscale, LS&Co, Milliken, Naturepedic, Radio Flyer, Seagate Technology, & Seventh Generation.
Value of CFP Survey

- Common language
- Independent, comparative, & replicable
- Quantitative metric to measure progress
- Gap analysis
- Aligns with SDGs – 3, 6, & 12
- Public sharing of journey to environmentally sound management of chemicals
Schedule

- Jan 2, 2019: Survey opens
- Jan – Feb, 2019: CFP webinar & classes
- Mar 31, 2019: Survey closes
- Q3 2019: Scores reported & Annual Report released
Questions:

Cheri Peele
Senior Research Associate
Clean Production Action
cheri@cleanproduction.org
Environmentally Preferred Sourcing

Cristina Indiveri, MS
Senior Director, Environmentally Preferred Sourcing
What is a GPO - Group Purchasing Organization?

Volume of U.S. health care purchases through GPOs

97% U.S. hospitals belong to at least one GPO

72 - 80% U.S. hospitals’ non-labor purchases are made through a GPO

$200B YR

$392B - $864B Estimated GPO savings in the U.S. between 2013 - 2022

$100B Through Vizient

Environmentally Preferred Sourcing | Confidential Information
Vizient — Who We Are

Largest member-driven health care performance improvement company in the country

Innovative data-driven solutions, expertise and collaborative opportunities that lead to improved patient outcomes and lower costs
# Who We Serve

<table>
<thead>
<tr>
<th>Health system members</th>
<th>Best hospitals</th>
<th>Best children’s hospitals</th>
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<tbody>
<tr>
<td>3,100</td>
<td>TOP 15</td>
<td>8 of 10</td>
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<tr>
<td>Academic medical centers</td>
<td>95%</td>
<td>– U.S. News &amp; World Report 2017-2018</td>
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<tr>
<td>Acute care hospitals</td>
<td>50%</td>
<td>$200B</td>
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<tr>
<td>Ambulatory clinics</td>
<td>20%</td>
<td>$100B</td>
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</table>

Annual spend

- U.S. health care purchase volume through GPOs
Vizient’s EPS Program positively contributes to human and environmental health by enabling responsible sourcing decisions.

Vizient offers the broadest, most cost-effective portfolio of environmentally preferred products in the industry.
Effective October 2017, completion of EP attributes requested in the RFP became an element of the non-financial criteria in all bids. In select bids, additional points will be considered when the supplier answers in the positive for attributes.

- EU Rohs Directive
- Bisphenol A (BPA)
- Polyvinyl Chloride (PVC)
- Bromine A & Chlorine Based Compounds
- Phthalates (including DEHP)
- Reuse - Product
- Antimicrobial/Antibacterial agents
- Persistent, Bioaccumulative and Toxic Chemicals (PBTs)
- Flame Retardants
- Metals
- Perfluorinated Chemicals (PFCs)
- Does Not Create Hazardous Waste Product
- 10% or More Post Consumer Recycled Content - Product
- Recyclability - Product
- Recycled Content – Primary Packaging
- Product Packaged without Polystyrene
- Forest Stewardship Council
- Consumer Friendly Recycling Labels
- Mercury
- Natural Rubber Latex
- Chemical Inventory
- Prop 65 Chemicals
- Chemical Abstracts for Prop 65 Chemicals
New EPS Catalog Capabilities

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<tr>
<th>Distribution Method</th>
<th>Portfolio</th>
<th>Strategic Programs</th>
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<tr>
<td>Distributed Only (18...)</td>
<td>MEDICAL PRODUCTS...</td>
<td>NOVAPLUS (2)</td>
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<tr>
<td>Direct Only (12)</td>
<td>FACILITIES MANAGEMENT...</td>
<td>Preferred Pediatric (51)</td>
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<tr>
<td>Both (333)</td>
<td>CAPITAL EQUIPMENT...</td>
<td>Environmentally Preferred</td>
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<tr>
<td>SURGICAL PRODUCT...</td>
<td>CARDIOLOGY (1)</td>
<td>Show All</td>
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**Environmentally Preferred**
- Antimicrobial/Antibacterial Agents (Intentionally Added)
- Bromine and Chlorine Free
- Chemical Ingredients
- EU RoHS
- Free of Perfluorinated Chemicals (PFCs)
- Bioaccumulative And Toxic Chemicals (PBTs)
- Mercury Free
- PVC Free
- Primary Packaging Recyclable%
- BPA Free
- CA Proposition 65 Compliant
- Consumer Friendly Recycling Label
- Flame Retardant Free
- Free of Persistent
- Latex Free
- Non-Hazardous Waste
- Phthalates Free
- Secondary Post Consumer Recycled Content (Packaging)

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Leading the GPO Industry

• Vizient persuaded HGPII to create new EPS questions in 2018 GPO Public Accountability Questionnaire

• Call to utilize one standard set of environmentally preferred attributes for medical/surgical products across the industry
  - Vizient first adopted Kaiser Permanente’s environmentally preferred attributes
  - Premier then instituted the same environmental attributes
  - Numerous GPO’s such as ROi, HPS and HealthTrust requested attributes from Vizient

• Next steps: collaborate with HGPII working group to facilitate adoption of attributes and create transparency within industry
Vizient’s Collaboration with CFP

- Encourage CFP Participation
- Select safe alternatives
- Reduce chemicals of high concern

Signatory
Better World
Our environments can meet the needs of every place and every space—wherever people work, learn, heal, and live.
“A business is rightly judged by its products and services, but it must also face scrutiny as to its humanity.”

—D.J. De Pree
Herman Miller Founder, 1953
We've spent decades investing in programs and processes to take care of the world around us.

“Herman Miller shall be a good steward of the earth’s resources.” – Founder D.J. De Pree

Decades of Environmental Advocacy

1953

50% Green space

1970

Energy Center

1981

Founding Member USGBC

1991

“Living with integrity and respecting the environment.” – CEO Mike Volkema

1995

LEED Pioneer Building

1998

100% Renewable Electricity

2000

First sustainability report

2003

ISO 14001 certification

2008

Water-based veneer finish adopted

2010

100% Renewable Electricity

2013

Canva Wall-Based PVC-free

2016

Global Product Compliance Team

2018

Spring Lake 100% Renewable Wind Energy

Retardants removed from majority of task seating

Environmental Product Calculator “Ecomedes”

Published Declare labels

Earthright Strategy

EcoDesign

Spring Lake 100% Renewable Wind Energy

1954

1958

Water-based seating adhesives & powder paint adopted

1992

Eliminated tropical rosewood

First formal environmental policy

Zero Landfill Goal

2001

Design for the Environment

2004

Mirra C2C Certified

2007

FSC® Chain of Custody certification

2009

rePurpose is Born

2012

Powder paint reuse in counterweights

2015

Environmental Product Declarations (EPDs)

2017

80% of Suppliers Adopt HMI Goals

“Do the right thing for the planet.” – CEO Brian Walker

“Make it more.”

Material Ingredient Disclosures (MIDs)

Sustainability Resource Teams

Herman Miller
Sustainability

Chemical Footprint Project

100+ Year Commitment
Who We Are: More than carpet... a community of innovators

You come into contact with a Milliken product up to 50 times a day

52 manufacturing facilities:
Located in the U.S, U.K, Belgium, France, China and Australia.

5 Continents:
Sales and service operations throughout the Americas, Europe, Asia, & Australia.

Milliken's over 7,000 associates work to create entirely new customer experiences, build for the future and create products that do good for the world.
Our Values

A strong foundation of safety forms an integral part of who we are.

Milliken has been recognized as one of the Safest Companies in America 3 Consecutive Times by EHS Today®

Milliken is the 1st 3 time winner resulting in an inaugural induction into America’s Safest Companies Hall of Fame.

Recognized for 15 consecutive years.
A strong foundation of quality, ethics & environmental responsibility forms an integral part of who we are.

Milliken has been recognized as one of the World’s Most Ethical Companies by Ethisphere™ Magazine every year since the first list in 2007. Now 12 consecutive years.
A Holistic Approach to Sustainability
(Triple Bottom Line)

People
(Ethics, Safety, Wellbeing)

Purpose
(Environmental, Health, and Safety)

Performance
(Products and Services)

Sustainability
Small Group Questions

• What value do you find in the CFP Survey and the chemical footprint metric?

• How can BizNGO best support your organization’s efforts to advance chemical footprinting?

• What are your suggestions for increasing company participation in CFP? (strategies used to date: requests by investors and health care organizations, focused outreach to industry sectors, recognition for participation, detailed guidance for answering survey)