

# Participate in 2016 Chemical Footprint Survey

Chemical Footprint Project Webinar  
October 13, 2016





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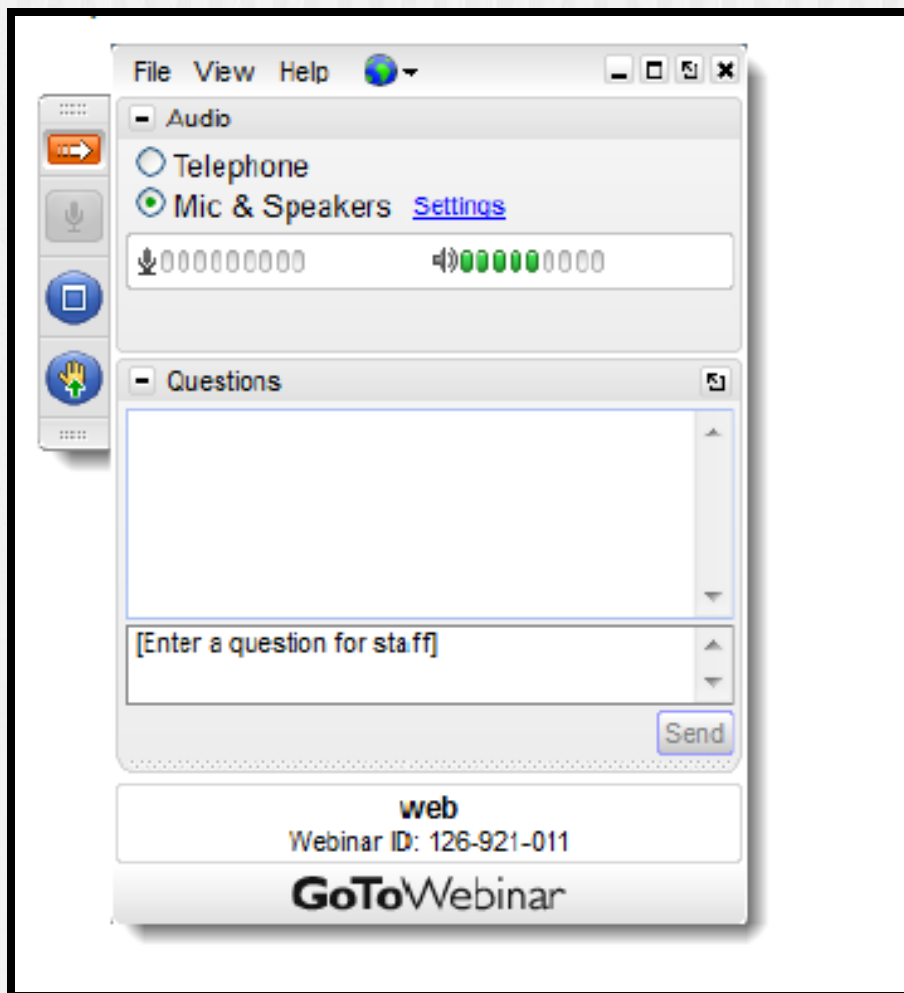
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Clean Production Action



**Mark S. Rossi** –  
Executive Director,  
Clean Production Action



# Questions?



- Post your question to the Questions pane in your Control Panel
- Presentation and recording will be available at [chemicalfootprint.org](http://chemicalfootprint.org)





# CFP Survey: Overview



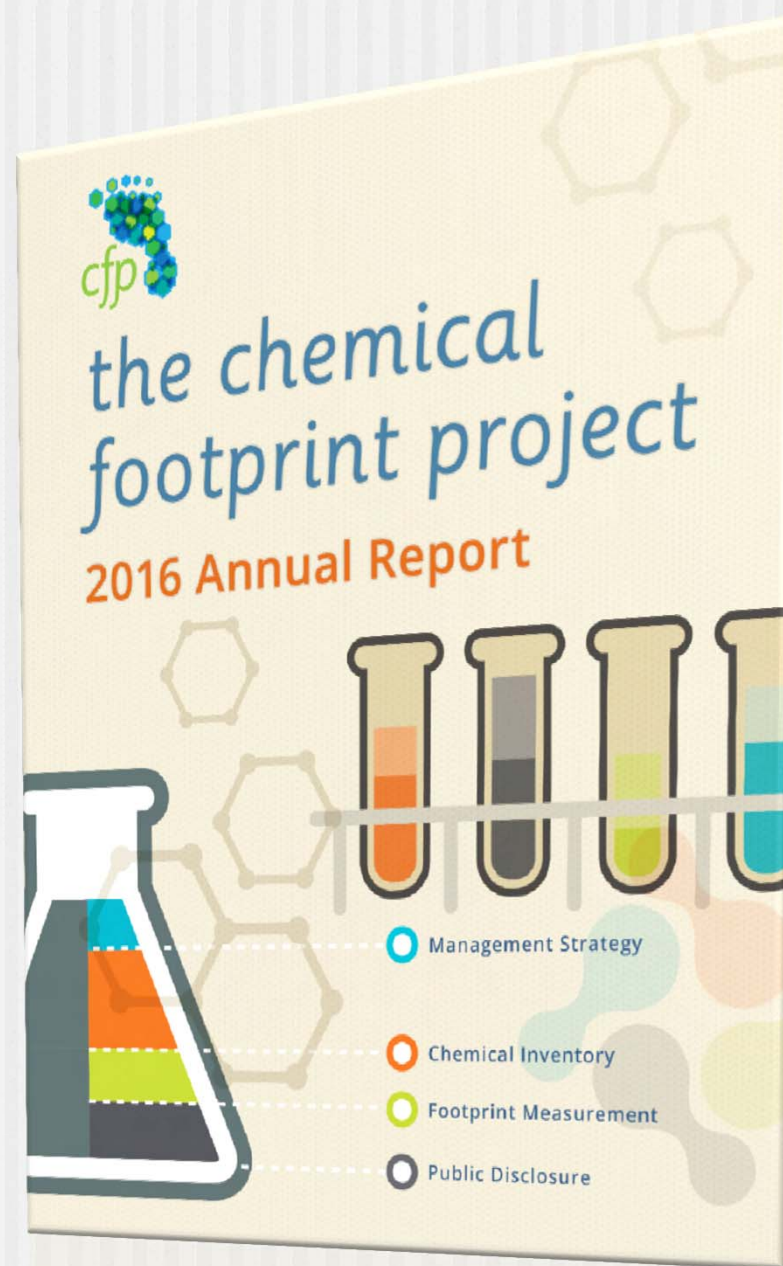
- Why CFP
- Who is CFP
- What is CFP
- CFP Survey 2016 – the details



*"You can't manage what you don't measure."*









# Founders



**CLEAN  
PRODUCTION  
ACTION**



**Lowell Center  
for Sustainable  
Production**

UNIVERSITY OF MASSACHUSETTS



**pure|STRATEGIES**



# Steering Committee



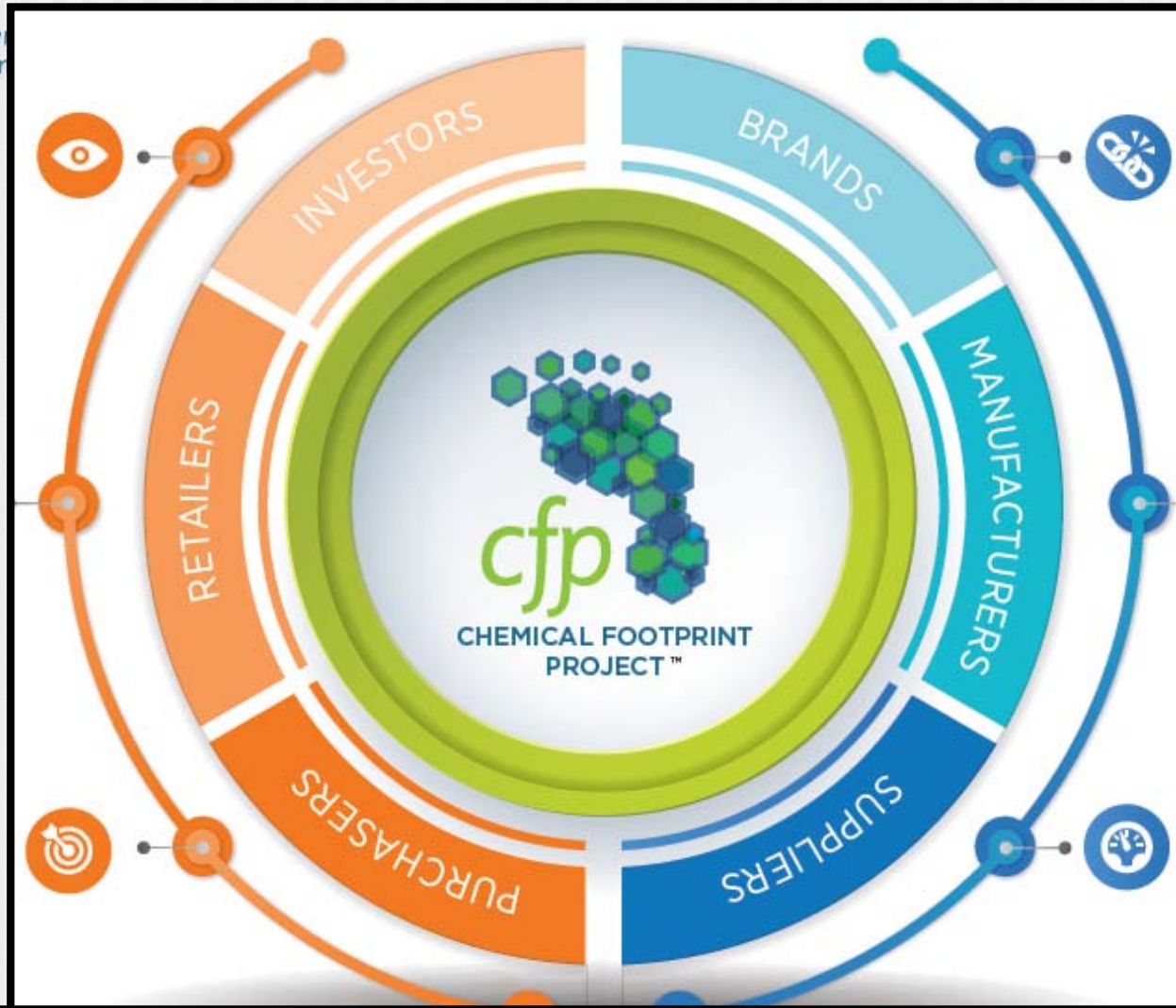
KAISER PERMANENTE®



Investor Environmental Health Network  
HEALTHY PEOPLE...HEALTHY BUSINESS







OUR SIGNATORIES

OUR RESPONDERS



## OUR SIGNATORIES

Signatories encourage companies to participate in the Chemical Footprint Project.

Creates a common standard for companies to report their chemical footprint

Strengthens engagement with brands & suppliers in their chemicals management programs

Identifies leaders in substituting chemicals of high concern with safer alternatives



Benefits to Signatories

\$2.3 trillion in assets under management

\$80 billion in purchasing power



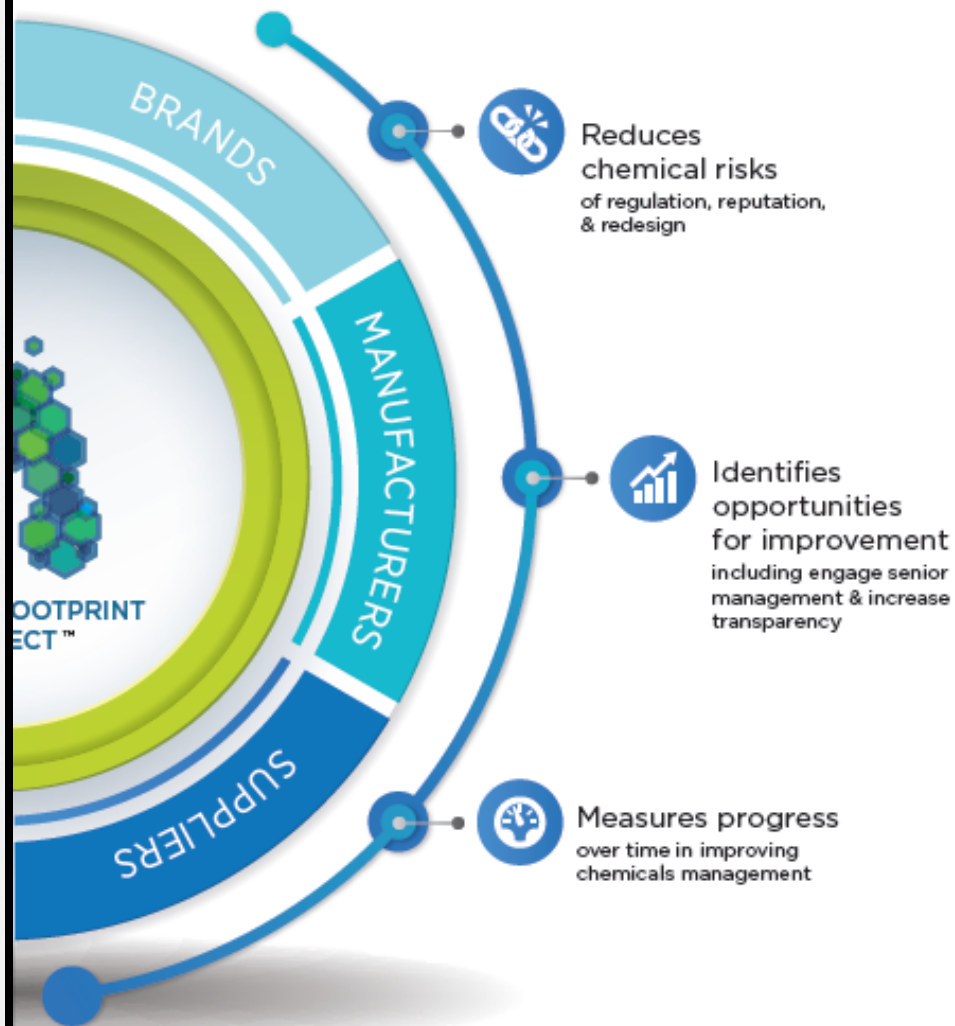


## Participants in the 1st Annual Chemical Footprint Project Survey

Becton Dickinson & Co.  
Beautycounter  
California Baby  
Clorox Company  
Construction Specialties, Inc.  
Forms+Surfaces  
GOJO Industries, Inc.  
Hanseatic Bedding Products, Inc.  
Humanscale Corporation  
Interface, Inc.  
Jasper Group  
Johnson & Johnson  
Kimball International, Inc.  
KYOCERA Corporation  
Levi Strauss & Co.  
Radio Flyer, Inc.  
Seagate Technology, PLC  
Sealed Air Corporation  
Shaw Industries Group, Inc.  
Standard Textile Company, Inc.  
SYSCO Corporation  
WaterWipes (a division of Irish Breeze Ltd)

## OUR RESPONDERS

Responders provide the data for the Chemical Footprint Project.

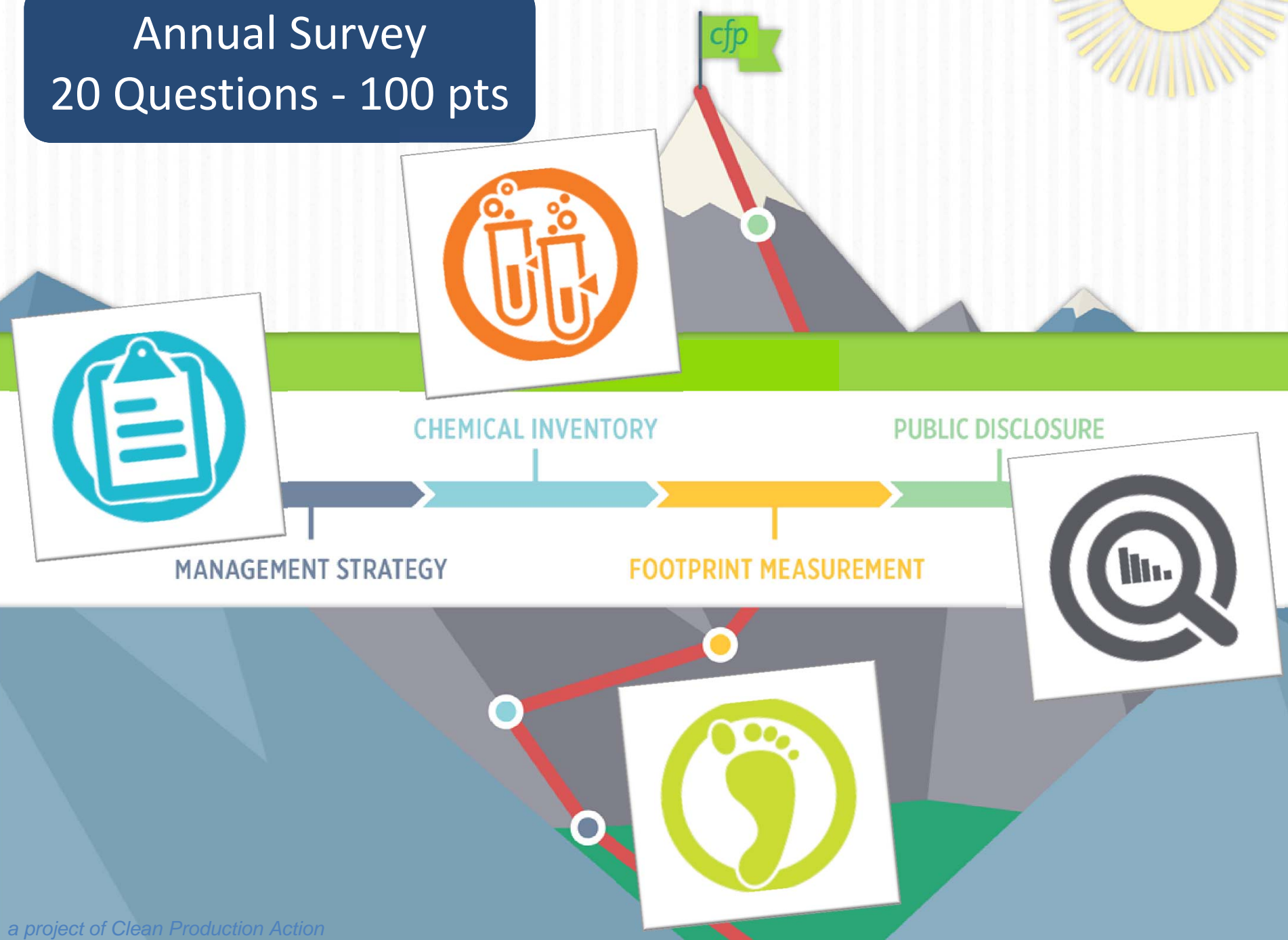


## Benefits to Responders

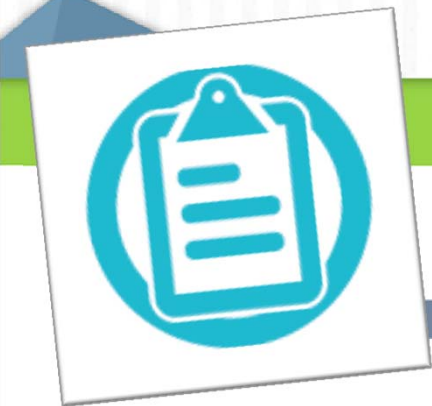




Annual Survey  
20 Questions - 100 pts



Annual Survey  
20 Questions - 100 pts



MANAGEMENT STRATEGY

CHEMICAL INVENTORY

FOOTPRINT MEASUREMENT

PUBLIC DISCLOSURE

# Why focus on Management Strategy?





CHEMICAL INVENTORY

PUBLIC DISCLOSURE



### MANAGEMENT STRATEGY INDICATORS (20 points)

#### Corporate Policies

M1. Creating a policy that aims to avoid chemicals of high concern (CoHCs)

M2. Including a preference for the use of safer alternatives

#### Corporate Integration and Accountability

M3. Integrating chemicals policies into business strategy

M5. Ensuring accountability for implementation of chemicals policies

#### External advocacy

M4. Advocating for initiatives that promote the use of safer chemicals



# Chemicals of High Concern (CoHCs)

- 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
- a chemical whose breakdown products result in a CoHC that meets any of the above criteria
- **CFP 2016 CoHC List**



## Safer Alternative Definition

- *A chemical that due to its inherent chemical and physical properties exhibits a lower propensity to persist in the environment, accumulate in organisms, and induce adverse effects in humans or animals than chemicals in current use*
  - *Must deliver needed function*
  - *In some cases, process or product redesign may eliminate need for chemical*





## Corporate Policy – M1 and M2

*M1 Does your company have a chemicals policy that aims to avoid CoHCs?*

*M2 Does your company have a chemicals policy that in addition to avoiding CoHCs includes an explicit preference for the use of safer alternatives?*

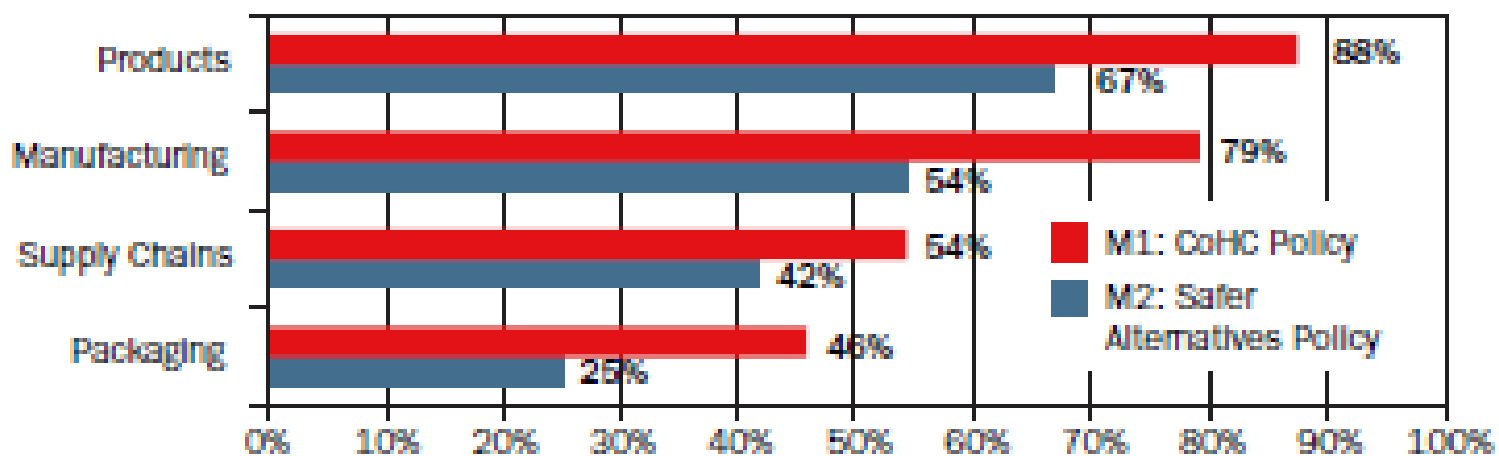
SCOPE of these policies: products, manufacturing, supply chain, packaging

Publicly available?



# CFP Results 2015: Policies focus on Chemicals in Products

**FIGURE 6 Management Strategy: Number of Companies with Corporate Chemical Policies (Indicators M1 and M2)**



# Elements of more Comprehensive Policies



- Active and ongoing evaluation of ingredients
- Details on applicability, scope, and actions to be taken
- Purchasing, product stewardship
- Preference for safer alternatives is specified





# Corporate Integration and Accountability

*M3. Is reducing CoHCs and/or advancing safer alternatives beyond regulatory requirements integrated into your company's business strategy?*

*M5. What means of accountability does your company have in place to ensure implementation of your chemicals policy?*



# Beautycounter: Example of Integration into Business Strategy

- *Key elements of strategy:*
  - *Ban intentionally*
  - *Screen rigorously*
  - *Learn constantly*
  - *Source responsibly*
  - *Share transparently*



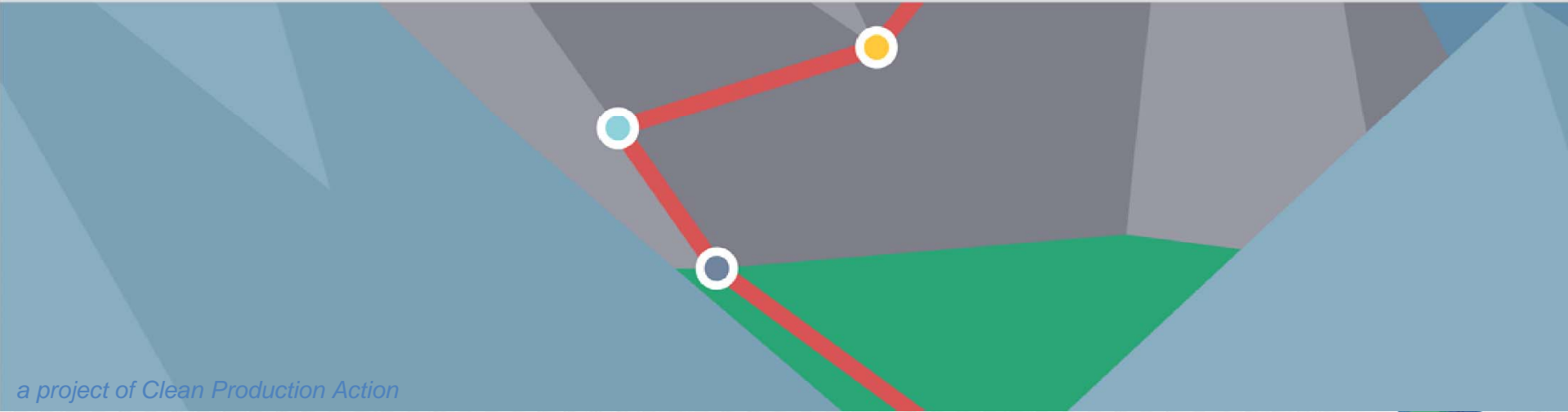
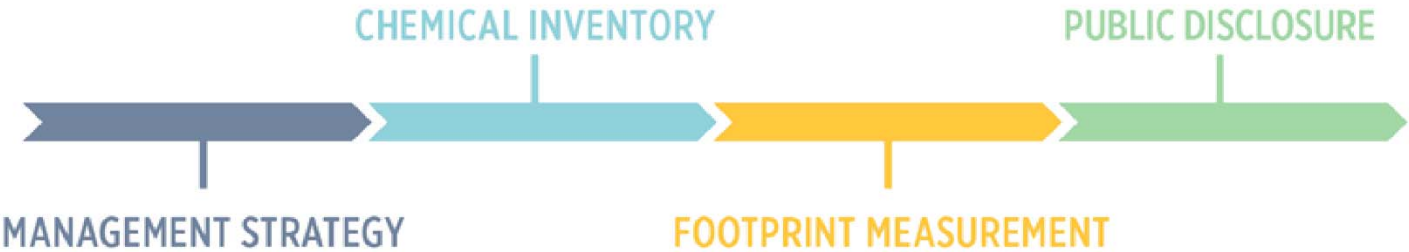
# Key Elements of Accountability



- Explicit support
- Metrics
- Regular reporting
- Cross-functional teams
- Active engagement and questioning



Annual Survey  
20 Questions - 100 pts





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PUBLIC DISCLOSURE

MANAGEMENT STRATEGY

FOOTPRINT MEASUREMENT

Legally Restricted

- How do you manage legally restricted CoHCs

Beyond RSL

- What actions do you take to develop a beyond RSL

Supplier

- What data do you request from suppliers

Inventory

- What % of products do you have chemical ingredient info?

Data Management

- What capabilities do you have for managing data?

# Key Terms

**Legally Restricted Substances List (“Legal RSL”):** Chemicals that are currently restricted or banned in finished products because of a regulation or law anywhere in the world.

**Beyond Legally Restricted Substances List (“Beyond Legal RSL”):** hazardous chemicals identified by a company for management, reduction, elimination, or avoidance beyond legal requirements. Substances on a “Beyond Legal RSL” are not legally restricted in any jurisdiction globally for the products relevant to the Responder.



**11. What steps has your company taken to manage legally restricted CoHCs?**

(5 points)

- a. has a Legally Restricted Substances List
- b. delineates requirements for complying with our Legally Restricted Substances List in contracts with suppliers
- c. trains suppliers about how to comply with our Legally Restricted Substances List
- d. Updates list at minimum on an annual basis

**12. What actions does your company take to develop a Beyond Restricted Substances List and determine their presence in your products? (5 points)**

- a. reviews chemical hazard information to identify chemicals of concern beyond our Legally Restricted Substances List
- b. engages external stakeholders in developing of our Beyond Restricted Substances List
- c. collects data on chemicals and evaluates against our Beyond Restricted Substances List



**13. What chemical information does your company collect from suppliers?**

(5 points)

- a. Legally Restricted Substances List
- b. chemical information as delineated in Beyond Restricted Substances List
- c. chemical information on the EU's list of Candidate Substances of Very High Concern
- d. Suppliers provide full chemical ingredient information

Retailer examples – Target, Walmart





**14. For what percentage of products sold by your company do you collect chemical Ingredient Information? (5 points)**

**Full Chemical Ingredient Information:**

- **For formulated products:**  
100% of the intentionally added substances by mass and any impurities that are both a CoHC and present at 100 parts per million (ppm) or higher in the formulation.
- **For articles, at the level of homogeneous material:**  
95% of the intentionally added substances by mass and any impurities that are both a CoHC and present at 1,000 ppm or higher.



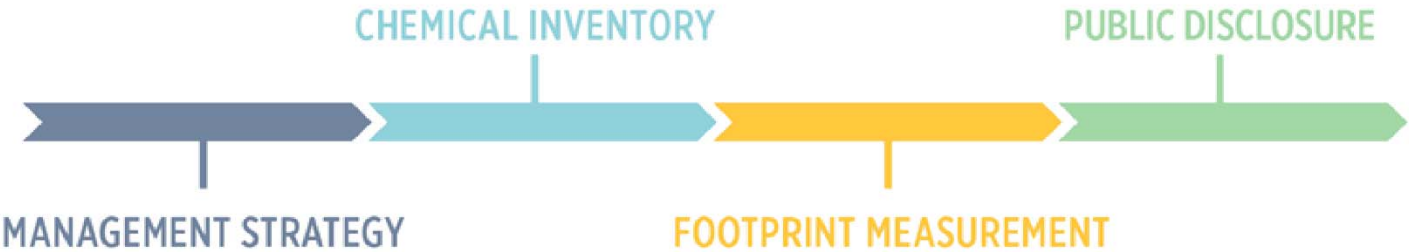
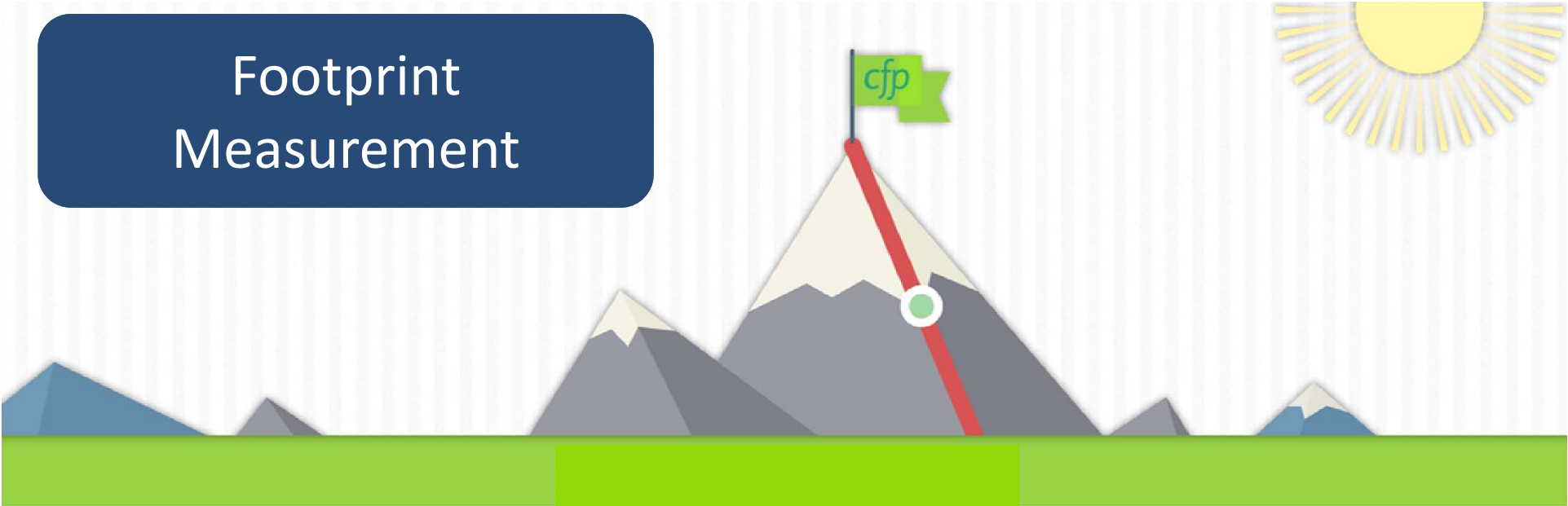
**15. What capabilities does your company have for managing data on chemical ingredients in its products? In your documentation, please include a description of your data system. (5 points)**

- a. Internal point(s) of contact or outside contractor
- b. data system to manage an inventory of chemicals in products
- c. data system that links our inventory of chemicals in products to chemical hazard information
- d. data system for generating reports on chemical/material ingredient declarations to customers

Example: Seagate Technology



# Footprint Measurement



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### **FOOTPRINT MEASUREMENT INDICATORS (30 points)**

#### **Measurement**

- F1. Setting goals for measuring CoHCs and measuring progress
- F2. Measuring baseline chemical footprint
- F3. Measuring reduced use of CoHCs

#### **Safer alternatives**

- F4. Assessing the hazards of chemicals
- F5. Encouraging the use of safer alternatives



# Why Footprint Measurement?

- Quantitative metrics
- Key to internal and external communication
- Understand if/where CoHCs are in products
- Identify opportunities for moving to safer alternatives



# Measurement: F1, F2, F3

*F1. Setting goals for reducing CoHCs and measuring progress*

*F2. Measuring baseline chemical footprint*

*F3. Measuring reduced use of CoHCs*

Example: BD, GOJO Industries







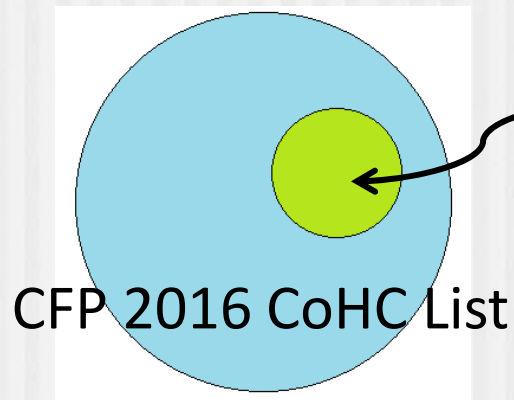
**Chemical Footprint: *the total mass of chemicals of high concern (CoHCs) in products sold by a company, used in its manufacturing operations and by its suppliers, and contained in packaging.***





# Footprint Measurement

- Chemicals in products (not manufacturing, supply chains, or packaging)
- Report mass and/or count of CoHCs
- Two reference list options:
  - CFP 2016 CoHC List (~2,200 chemicals)
  - EU REACH Candidate SVHC List (169 chemicals)



EU REACH Candidate SVHC List

CFP 2016 CoHC List





# Footprint challenges

- New metric
- Depends on robust inventory
- On ramp option designed to enable more companies to calculate



## Safer alternatives: F4, F5

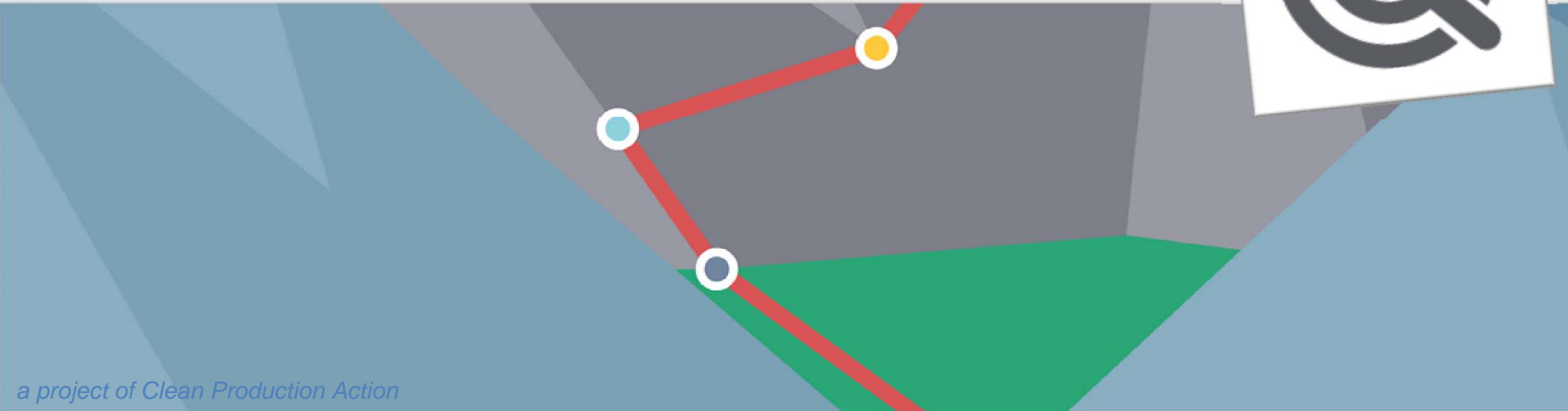
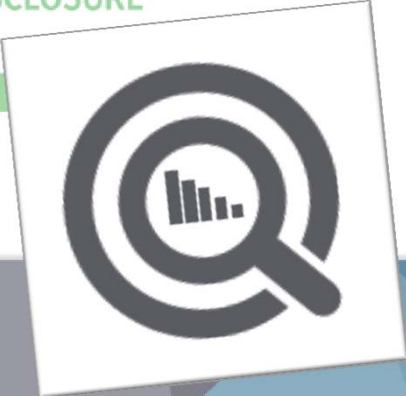
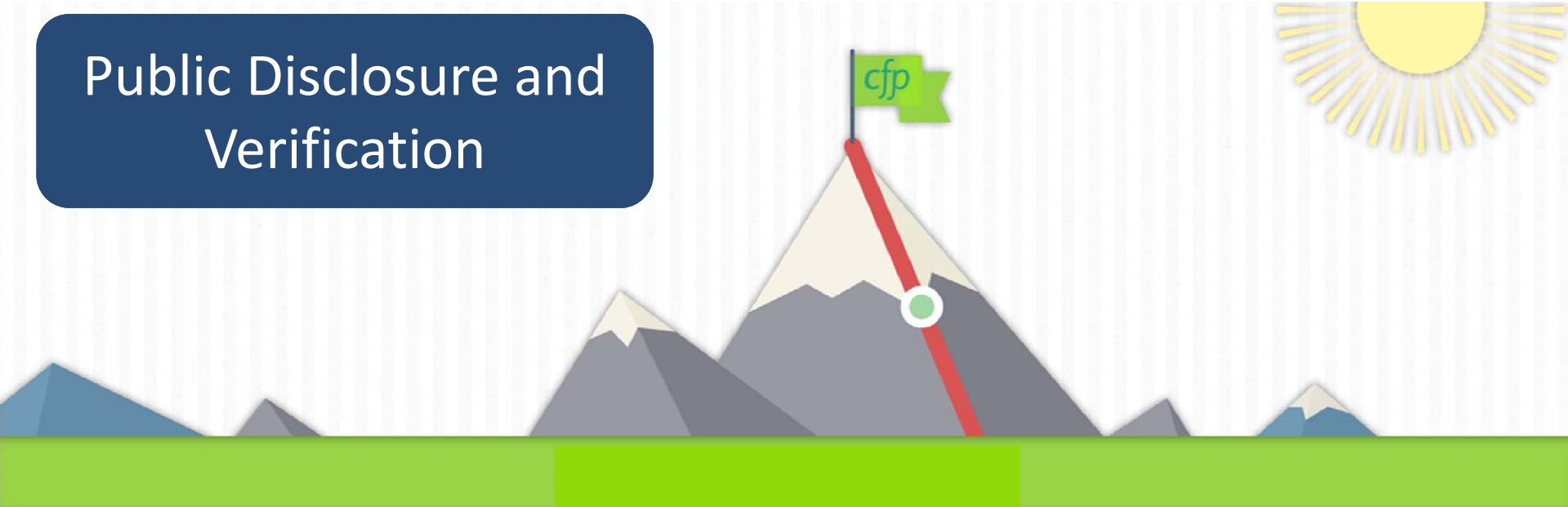
*F4 How does your company assess the hazards of chemicals in its products beyond regulatory requirements?*

*F5 How does your company encourage the use of safer alternatives?*

Examples: Nike, ZDHC



# Public Disclosure and Verification



CHEMICAL INVENTORY

PUBLIC DISCLOSURE



## PUBLIC DISCLOSURE & VERIFICATION INDICATORS (20 points)

### Disclosure

- D1. Disclosing chemicals in products to the public
- D2. Disclosing CFP Survey responses
- D3. Disclosing CFP Survey score

### Verification

- D4. Providing third party verification of responses







## D1. What information beyond legal requirements does your company disclose about the chemical ingredients in its products? (8 points)

### Response Options

Response options for D1 are divided into two parts: D1.a. for formulated products and D1.b. for articles. Answer all that apply.

D1.a. Enter the percentages for all that apply. For formulated products, our company publicly discloses:

- chemical identity beyond legal requirements for \_\_\_\_ percentage of sales at the SKU level
- all intentionally added chemicals with the exception of fragrances (for which our company provides a separate list distinct from the SKU) for \_\_\_\_ percentage of sales at the SKU level
- all intentionally added chemicals including fragrances, flavors, and preservatives in products for \_\_\_\_ percentage of sales at the SKU level
- N / A. We do not sell formulated products.



**What's Inside SC Johnson**  
A Closer Look at the Ingredients Inside Our Products

**Pledge®**  
Favor® Furniture Polish  
Formula Number (1) 35-15393

**Ingredients**

Water	(1)
Dimethicone	(Film Former) (1)
Isoparaffin	(Carrier) (1)
Octylphosphonic Acid	(Corrosion Inhibitor) (1)
Nitrogen	(Propellant) (1)
Polysorbate 80	(Emulsifier) (1)
Sorbitan Oleate	(Emulsifier) (1)
Polydimethylsiloxane	(Film Former) (1)
Aminomethyl Propanol	(pH Adjuster) (1)
Fragrance from SC Johnson Fragrance Palette	(Fragrance) (1)
Proprietary Thickening Agent	(Thickener) (1)
Methylisothiazolinone	(Preservative) (1)



## D1. What information beyond legal requirements does your company disclose about the chemical ingredients in its products? (8 points)

### Response Options

Response options for D1 are divided into two parts: D1.a. for formulated products and D1.b. for articles.

Answer all that apply.

D1.b. Enter the percentages for all that apply. For articles, our company publicly discloses:

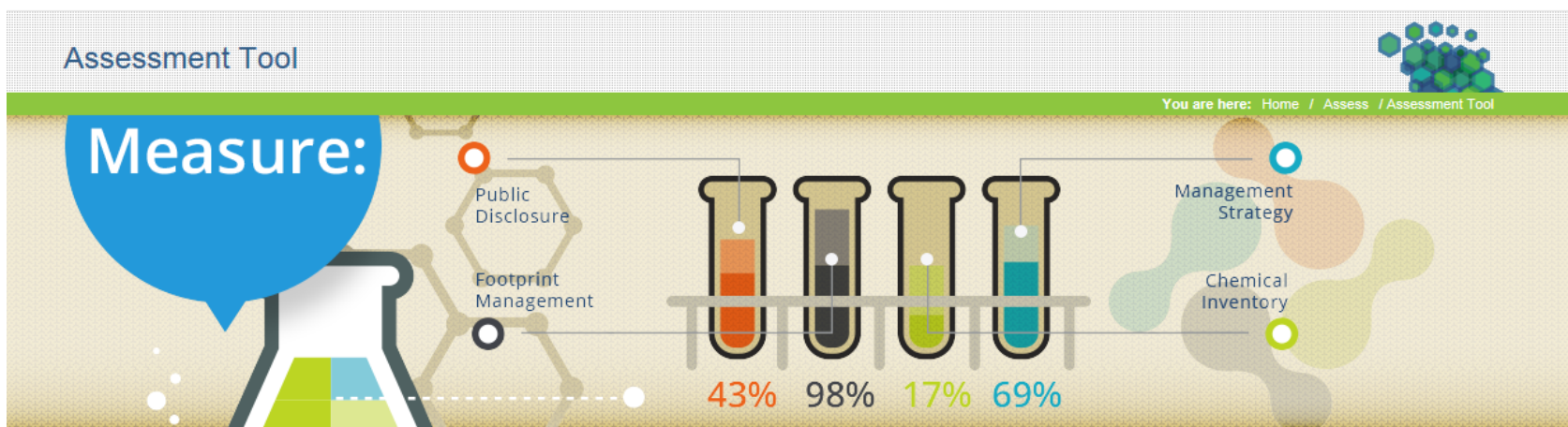
- i. generic material content for 95% by mass of chemicals in products for \_\_\_\_ percentage of sales or spend at the SKU level
- ii. at a minimum, chemicals on the EU's Candidate SVHC List in products for \_\_\_\_ percent of sales or spend at the SKU level
- iii. chemical identity for 95% by mass of chemicals in products for \_\_\_\_ percentage of sales or spend (e.g., Health Product Declaration)
- iv. our products do not contain CoHCs
- v. N/A. We do not sell articles

### Material Content of the Product

Layer	Component	Material (CAS#)	Availability	Mass %	Origin
Wear Layer	Face Cloth/Yarn	Nylon 6 Post Industrial Recycled (25038-54-4)	Recycled material, abundant	8.6%	US
		Nylon 6 Post Consumer Recycled (25038-54-4)	Recycled material, abundant	8.6%	US
Carrier	Tufting Primary	Polyester (25038-59-9)	Fossil resource, limited	2.5%	US

Interface, Inc.: 99% of products globally have an EPD.





The CFP measures overall chemicals management performance by evaluating how companies answer questions in the following categories of:

**Management Strategy:** the scope of corporate chemical policies and their integration into business strategy, accountability, and employees' incentives for safer chemical use, as well as support of public policies for safer chemicals.

**Chemical Inventory:** a company's level of knowledge about the chemicals used by its suppliers in products, components, and manufacturing processes; and its systems for managing chemical data and ensuring supplier compliance with its reporting requirements.

**Footprint Measurement:** the goals set to reduce chemicals of high concern, progress in establishing a baseline corporate Chemical Footprint and reducing chemicals of high concern, and the degree to which alternatives are assessed, identified and implemented.

MEASURE YOUR  
CHEMICAL FOOTPRINT

In this Section

CFP Results

Assessment Tool

For Brands and Manufacturers

# Timeline

December 6, 2016: workshop – San Francisco

September 12, 2016: online Survey launched

January 31, 2017: online Survey closed

Q2 2017: release CFP Annual Report

Be a Signatory

Engage as a Responder

[chemicalfootprint.org](http://chemicalfootprint.org)







# THANK YOU!

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