## Chemical Footprint Project – "Deep Dive"

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- CFP Introduction
  - Why CFP?
  - Who is CFP?
  - What is CFP?
  - How can I participate?
  - CFP Assessment Tool
    - Overview
    - "Deep Dive"





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





a project of Clean Production Action



GLOBAL

CORPORATE

SUSTAINABILITY

REPORT

2013













- Clean Production Action
- Lowell Center for Sustainable Production, University of Massachusetts Lowell
- Pure Strategies







## www.chemicalfootprint.org



### **Steering Committee** footprint project



the chemical

## Signatories:

#### Investors

Australian Ethical Investment Aviva Investors Boston Common Asset Management BNP Paribas Investment Partners Calvert Investments First Affirmative Financial Network Miller/Howard Investments Pax World Funds The Sustainability Group at Loring, Wolcott & Coolidge Trillium Asset Management

#### **Purchasers & Retailers**

Dignity Health Hackensack University Medical Center Kaiser Permanente Mercy Health Premier, Inc. San Francisco Department of the Environment Staples, Inc. St. Joseph Health Trinity Health

Retailers

NGOS

#### The Right Chemistry

The \$1.1 trillion question: What's your chemical footprint?

Friday, June 19, 2015 - 2:30am

Investors

Purchasers





# the chemical footprint project Signatories & Responders

- Signatories ask suppliers & stakeholders to be responders to the CFP Assessment Tool
- Signatories are: investors, retailers, & institutional purchasers
- Manufacturers can also be signatories

- Responders answer questions in CFP Assessment Tool
- Responders are: brands, manufacturers, & suppliers
- Active sectors in CFP are: apparel, beauty/personal care, building products, cleaning/laundry, electronics, medical devices, toys





#### **CFP** Assessment Tool





# **Example: Scores by Sector**

## CFP scores by company within sector







# Example: Scores by Individual Company

## Company scores by category





# **Options for data sharing**

•Company answers and score posted publicly on the CFP website

•Share results with selected companies or purchasers only

•List company name (but not data) publicly as having participated in the CFP

•Remain anonymous about your company's participation.



**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.* 





## 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

## **California Candidate Chemical List**





Test and iterate, but don't let the perfect be the enemy of the good.



Jun 19: online Assessment Tool launched Nov 30: online Assessment Tool closed Feb 2016: release CFP Annual Report

> Be a Signatory Engage as a Responder

go to <u>chemicalfootprint.org</u> to register for news, to download Guidance





#### **CFP** Assessment Tool







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





You are here: Measure your Footprint / Apply to Participate

#### Apply to Participate Already a member? Login Emeil \* Confirm Email \* Confirm Password \* Pessword = First Name \* Last Name \* Thie, Department 7 Organization \* Company Website \* Phone = NAICS Code Use the Ctrl key to select more than one code. 111 Crop Production 112 Animal Production and Aquaculture 113 Forestry and Logging 114 Fishing, Hunting and Trapping GICS code Use the Ctrl key to select more than one code. 101010 Energy Equipment & Services 101020 Oil, Gas & Consumable Fuels 151010 Chemicals 151020 Construction Materials Accept terms Read Full Terms





## **Measure Your Footprint**

#### Questions and Response Options

The four sections of the questionnaire include questions and response options that assess your company's policies, procedures, and actions to move away from chemicals of high concern and toward safer chemicals in products and manufacturing processes. Please answer each question to the best of your ability. Most questions request that you check all options that apply. You are requested to provide a narrative summary and/or documentation that support your company's answers to the questions.

Footprint

Measurement



Public

Disclosure

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Chemical

Inventory

Management

Strategy





# Guidance for Using the CFP Assessment Tool

the chemical footprint project





#### CFP Assessment Tool



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M2. Does your company have a chemicals policy that in addition to avoiding chemicals of high concern includes a preference for the use of safer alternatives? (4 points)

#### **Response Options**

- a. Products: has a chemicals policy preferring safer alternatives that is applicable to our products
- b. Products: if yes to "a," our policy is publicly available on our website
- Manufacturing: has a chemicals policy preferring safer alternatives that is applicable to our manufacturing operations
- d. Manufacturing: Not applicable (we have no manufacturing operations)
- e. Manufacturing: if yes to "c," our policy for manufacturing is publicly available on our website
- f. Supply Chains: has chemicals policy preferring safer alternatives that is applicable to our supply chains
- g. Supply Chains: if yes to "f," our policy for supply chains is publicly available on our website
- Packaging: has a chemicals policy preferring safer alternatives that is applicable to our primary packaging
- i. Packaging: if yes to "h," our policy for packaging is publicly available on our website







#### GOJO SUSTAINABLE CHEMISTRY POLICY

#### Strategic Intent

GOJO is committed to developing formulations in a responsible, innovative and proactive manner that minimizes potential health and environmental impacts.

GOJO Sustainable Chemistry is about strategic asset balancing, and fully considers the following objectives:

- · Help achieve GOJO and customer sustainability goals
- · Promote viable ingredient and process alternatives
- Meet or exceed customer expectations
- · Meet or exceed legal and regulatory requirements

#### Fundamental Approaches

We will take the following approaches to advance our goals, targeting improvements relative to existing solutions.

Lead	Use sound scientific based evidence to lead with whole product safety.	
Protect Health & Safety	Avoid ingredients and processes known to be harm to humans and the environment and utilize safer alternatives where possible.	
Measure	Balance life cycle approach and metrics with whole product safety to guide decisions and identify continuous improvement opportunities.	
Preserve	Strive to preserve finite resources with more sustainably sourced ingredients.	
Collaborate	Collaborate with stakeholders to co-develop product. User Requirement Specifications and drive continuous improvement in our ingredients.	
Elevate the Portfolio	Manage product lifecycles to discontinue the old and introduce the new.	





#### **CFP Assessment Tool**





**Restricted Substances List (RSL)**—Chemicals that are currently restricted or banned in finished products because of a regulation or law; that is, legally restricted substances.



**Beyond Restricted Substances List**—Hazardous chemicals identified by a company for management, reduction, elimination, or avoidance beyond legal requirements; that is, beyond legally restricted and reportable substances.





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

#### **Response Options**

Check all that apply. Our company:

- reviews various sources of chemical hazard information to identify chemicals of concern beyond our Restricted Substances List
- engages external stakeholders such as non-governmental organizations (NGOs), business customers and consumers in the development of our Beyond Restricted Substances List
- c. collects data on chemicals in our products and evaluates against our Beyond Restricted Substances
   List or hazard criteria
- d. updates our Beyond Restricted Substances List at minimum on an annual basis
- e. publicly discloses its Beyond Restricted Substances List





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

## BEAUTYCOUNTER







**13. What chemical information does your company collect from suppliers?** (5 points)

#### **Response Options**

Check all that apply. Our company:

- a. requires suppliers to provide chemical information as delineated in our Restricted Substances List
- requires suppliers to provide chemical information as delineated in our Beyond Restricted Substances List
- c. requests suppliers to provide chemical ingredient information
- d. requires suppliers to provide chemical ingredient information





#### Chemical Ingredient Information—

- For Formulated Products—A company knows 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—A company knows 95% of the intentionally added substances by mass and any impurities that are both a CoHC and present at 1000 ppm or higher in a homogeneous material.







**13. What chemical information does your company collect from suppliers?** (5 points)









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

#### **Response Options**

- 14a. Formulated Products:
  - I. N/A because your company does not sell formulated products
  - ii. \_\_\_\_\_ if applicable, for what percentage of formulated products sold by your company is chemical ingredient information collected?

#### 14b. Articles:

- i. N/A because your company does not sell articles
- ii. \_\_\_\_\_ if applicable, for what percentage of articles sold by your company is chemical ingredient information collected?





I6. How does your company assure conformance with your chemicals policy? (5 points)

#### **Response Options**

Check all that apply. Our company:

- a. has an audit program to verify supplier submitted data
- b. requires suppliers to test parts in third-party approved labs and provide results
- c. trains suppliers on how to comply with reporting requirements
- d. routinely tests parts, components, or products to assure conformance with reporting requirements







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F1. Has your company set goals for reducing CoHCs in the products you sell and measured progress against these goals? (6 points)

#### **Response Options**

Check all that apply in "a-d" or answer only "e." Our company:

- a. has set goal(s) for reducing CoHCs by count or mass
- b. publicly discloses the goal(s) (at minimum includes percentage reduction and time period)
- c. publicly discloses specific CoHC(s) included in the goal(s)
- d. publicly reports annually on progress towards meeting goals
- e. has no CoHCs in our products and publicly discloses this information



- Eliminate list of chemicals of high concern
- 100% reduction by 2020
- Specific chemicals listed on corporate website
- Reporting progress on reductions annually



**F2 How does your company measure its baseline chemical footprint?** (6 points)

#### **Response Options**

Provide answers for one of the following three options: 1) "a-b,"2) "c," or 3) "d." Our company:

- had intentionally added CoHCs in its products for fiscal year (FY) 2014 = \_\_\_ CoHCs by count FY 2014 and/or
- b. had intentionally added CoHCs in its products in FY 2014 = \_\_\_ CoHCs by mass (kg) for FY 2014, or
- had intentionally added CoHCs in its products in FY 2014 and cannot calculate count or mass of CoHCs, or
- d. had no intentionally added CoHCs in its products in FY 2014





F5. How does your company encourage the use of safer alternatives to CoHCs? (6 points)

#### **Response Options**

Check all that apply in "a-f" or answer only "g." Our company:

- has developed a definition for a safer alternative that is consistent with the CFP definition and we include such criteria in our business processes
- b. communicates about and asks suppliers to use our company's criteria for a safer alternative
- c. rewards suppliers that use safer alternatives
- has integrated our company's criteria for a safer alternative into our product development process (e.g., through our design and safety processes)
- e. has established a goal and is tracking progress to improve the profile of chemicals across our products, consistent with our company's criteria for a safer alternative
- f. publicly discloses our company's definition for a safer alternative and our approach to integrating it into our business practices
- g. does not have CoHCs in its products and consistently seeks to avoid any chemical of concern







**F5. How does your company encourage the use of safer alternatives to CoHCs?** (6 points)

Response Option	Nike publicly available data
a. Developed definition for safer alternatives	Definition uses GreenScreen
<ul> <li>b. Asks suppliers to use safer alternatives criteria</li> </ul>	Asks suppliers to: "Commit to self evaluate the use of toxic chemicals in their facility" and "Validate their chemical greening efforts for materials or processes."
<ul> <li>Rewards suppliers that use safer alternatives</li> </ul>	Unable to determine
d. Integrated criteria into product development process	Unable to determine
e. Established a goal and tracking progress	Through ZDHC, has established a goal and is tracking progress towards the goal
f. Publicly discloses definition and integration approach	Available on the Nike website



#### CFP Assessment Tool



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## 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:
  - N/A. we do not sell formulated products
  - i. 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
  - iii. all intentionally added chemicals including fragrances, flavors, and preservatives in products

for \_\_\_\_\_ percentage of sales at the SKU level

- D1.b. Enter the percentages for all that apply. For articles, our company publicly discloses:
  - N/A. we do not sell articles
  - generic material content for 95% by mass of chemicals in products for \_\_\_\_\_ percentage of sales at the SKU level
  - ii. chemical identity for 95% by mass of chemicals in products for \_\_\_\_\_ percentage of sales at the SKU level



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

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

N/A. we do not sell formulated products

i. chemical identity beyond legal requirements for \_\_\_\_\_ percentage of sales at the SKU level

ii. 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

iii. all intentionally added chemicals including fragrances, flavors, and preservatives in products

for \_\_\_\_\_ percentage of sales at the SKU level



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







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

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

N/A. we do not sell articles

i. generic material content for 95% by mass of chemicals in products for \_\_\_\_\_ percentage of sales

at the SKU level

ii. chemical identity for 95% by mass of chemicals in products for \_\_\_\_\_ percentage of sales

at the SKU level

#### 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

99% of Interface products globally have an EPD.

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D4. Have any of your company's responses to the questions in the Assessment Tool been verified by an independent, third party? (8 points)

#### **Response Options**

Check only one response option. Our company's response options have been verified by an independent third party for:

- a. none to one of our response options
- b. two to four of our response options
- c. at least eight of our response options
- d. at least twelve of our response options
- e. all response options except D2, D3, and D4





D4. Have any of your company's responses to the questions in the Assessment Tool been verified by an independent, third party? (8 points)

#### **Response Options**

Check only one response option. Our company's response options have been verified by an independent third party for:

- a. none to one of our response options
- b. two to four of our response options
- c. at least eight of our response options

The Chemical Footprint Project has developed Verification Guidelines soon to be posted on the website. It covers:

independence	methodology
competence	quality control
ethics	evidence
subject matter	reporting





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