### Sustainability Accounting Standards Board Reporting

**How it Intersects with Green Chemistry** 

November 24, 2017



### What is the GC3?

- A cross-sectoral, full value chain business membership organization
- A convener of collaborations to advance green chemistry innovation & practice
- An advocate for government policy & funding that advances green chemistry R&D and innovation

<u>Mission:</u> To make green chemistry standard practice – **Mainstream** - in industry, for innovation, public health, and environmental protection

Started in 2005













### Over 100 Members, Including:

















### **Today's Speakers**

Rich Liroff



Executive Director, Investor Environmental Health Network (IEHN)

#### Henrik Cotran



Sector Analyst,
Sustainability Accounting
Standards Board (SASB)



### **Ground Rules**

- Due to the number of participants in the webinar, all lines will be muted
- If you have a question or comment, please type it in the "Questions" box located in the control panel
- Questions will be answered at the end of the presentation





# The Sustainability Accounting Standards Board

SASB Standards and Green Chemistry Reporting

#### **Henrik Cotran**

Sector Analyst

November 14, 2017

#### The Sustainability Accounting Standards Board (SASB)

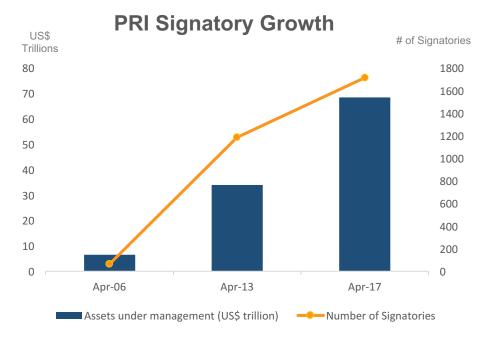
**Discussion Topics** 

- 1 Growing Investor Interest in Sustainability
- 2 SASB Overview
- 3 SASB's Standards Development Process
- 4 SASB and Green Chemistry



#### **Investor Focus on Sustainability**

A rapidly increasing share of institutional assets are managed with ESG issues in mind



- PRI signatories represent ~50% of total global assets under management
- 90% of the world's top 100 asset managers, including Blackrock, Vanguard, SSGA, Fidelity Investments, Capital Investment Group, and PIMCO
- 359 asset owners, representing USD
   16.3 trillion in assets

Source: PRI

#### All PRI signatories commit to\*:

- Incorporate ESG issues into investment analysis and decision-making processes
- Be active owners and incorporate ESG issues into their ownership policies and practices
- Seek appropriate disclosure on ESG issues by the entities in which they invest



#### **Pain Points for Data Users**

Investors are dissatisfied with the quality of ESG disclosure

#### **Investor Needs**

Investor confidence in the quality of the ESG information received from issuers

29%



#### **Issuer Reporting**

Issuer confidence in the quality of the ESG information reported

100%

Source: PwC, ESG Pulse, 2016.

% Investors Dissatisfied

#### High degree of investor dissatisfaction with the current state of ESG disclosure

Disclosure of ESG-related risk/opportunity that could affect business models

How sustainability risks/opportunities are identified and quantified in financial terms

82%

Ease of comparing peer companies based on ESG data disclosed

92%

Key performance indicators related to each identified material issue

68%

Use of standards for disclosure of ESG data to investors (50% want industry-specific)

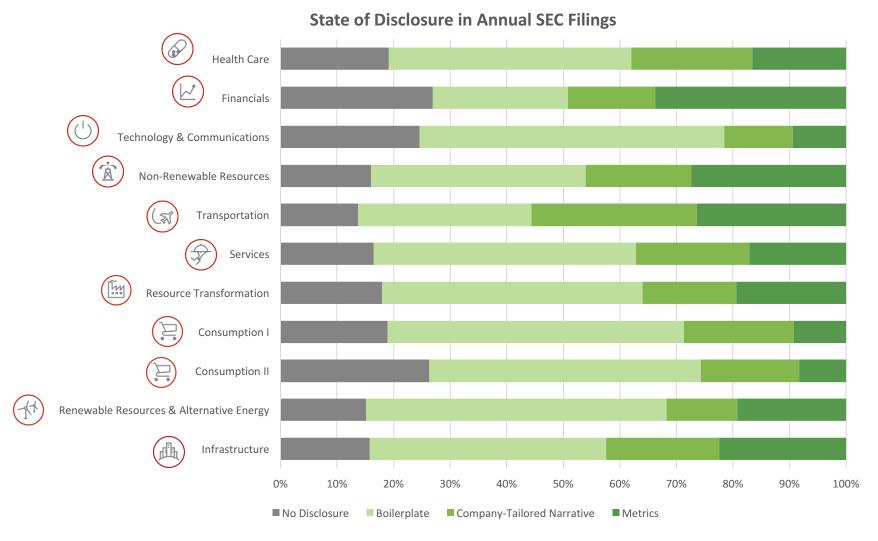
71%

Sources: EY, Is your non-financial performance revealing the true value of your business, 2017; PwC, Sustainability Goes Mainstream, May 2014; ESG Pulse, 2016.



#### **Current State of Disclosure on SASB Topics**

Opportunity to transform SEC disclosure from boilerplate to performance-based



**Source**: SASB analysis performed between May and August 2016 using the latest annual SEC Filings (i.e. Form 10-Ks and 20-Fs) for the top companies, by revenue, per SICS industry (maximum of 10 companies).



#### **SASB Overview**

Industry-specific standards to guide disclosure of material ESG factors to investors

The SASB creates industry-specific sustainability accounting standards. SASB standards:

- Help companies disclose financially material, decisionuseful ESG information to investors in a cost-effective way
- Reduce information asymmetry
- Enable performance benchmarking across companies
- Facilitate more accurate pricing of risk



#### **Facts about SASB**

- Independent standards setter led by nine-member standards board
- Follows rigorous, evidence-based, market-informed process
- Maintains industry-specific standards for 79 industries in 11 sectors

- Designed for use in public, annual financial reports targeted to investors
- Guided by a strong conceptual framework grounded in financial materiality
- Operated under the auspices of the SASB Foundation, a non-profit organization



#### The SASB Foundation Board

#### Fiduciary duty to oversee the funding and operations of the SASB and staff

#### Michael R. Bloomberg - Chair

Philanthropist, Founder of Bloomberg LP, and the 108<sup>th</sup> Mayor of New York City

#### Mary Schapiro – Co Vice Chair

Promontory Advisory Board Vice Chair Former Chairman – SEC

#### Robert K. Steel - Co Vice Chair

Partner & CEO Perella Weinberg Partners

#### **Alan Beller**

Senior Counsel Cleary Gottlieb Steen & Hamilton

#### **Audrey Choi**

CEO – Institute for Sustainable Investing, Morgan Stanley

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CEO - CalSTRS

#### Steven O. Gunders, CPA, MBA

Partner

Deloitte & Touche LLP (Retired)

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Former Chairman – FASB

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Executive Vice President Corporate Strategy and Partnerships – Morningstar Inc.

#### **Kevin Parker**

CEO - SICM

#### **Curtis Ravenel**

Global Head, Sustainable Business and Finance – Bloomberg LP

#### Laura Tyson, PhD

Director, Institute for Business and Social Impact Berkeley Haas School of Business

#### Elisse Walter, JD

Former Chairman - SEC

#### **Matthew Welch**

President, SASB (Ex-officio)

#### Jay Willoughby

CIO, TIFF

#### **Chuck Zegar**

Philanthropist, Co-Founder of Bloomberg LP



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#### The SASB Lens on Financial Materiality

Standards targeted to the needs of users for financially relevant ESG information



#### **SASB Standards**

Identify ESG factors reasonably likely to affect the *financial condition or operating performance* of companies within an industry

Are acknowledged by the EU as a framework for use to provide information pursuant to *Directive* 2014/95/EU on non-financial reporting.

Can be used to guide disclosure of material information to investors in filings with the US SEC in Forms 10-K, 20-F and 40-F.

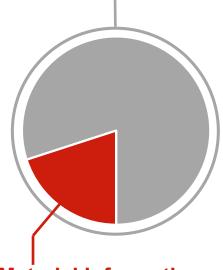


#### **Complementary Efforts**

Target sustainability information to specific audiences for specific purposes

#### **Relevant Information**

All environmental, social, and governance topics of interest



#### **Material** Information

14

Sustainability factors likely to affect the financial condition or operating performance of a company







All Stakeholders

Alignment is key







**Investors** 



## SASB's Standards Development Process



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#### **Evaluation of the Materiality of Sustainability Issues in Each Industry**

SASB's research process starts with a broad universe of sustainability issues

#### **Environment**

- GHG emissions
- Air quality
- Energy management
- · Water and wastewater management
- Waste and hazardous materials management
- · Ecological impacts
- · Climate impacts

#### Social capital

- · Community relations
- Human rights
- · Access and affordability
- Customer welfare
- Data privacy & security
- Selling practices & product labelling

#### **Human capital**

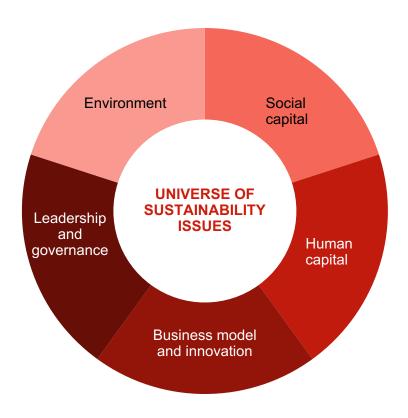
- Labor relations
- Labor practices & compensation
- Employee health, safety, and wellbeing
- Employee recruitment, engagement & diversity

#### Business model and innovation

- Product design & lifecycle management
- Product packaging & distribution
- Product quality and safety
- Supply chain management
- · Materials sourcing
- Investment, credit, & underwriting ESG risks
- Rate structure & pricing
- · Business model resilience

#### Leadership and governance

- Business ethics
- Competitive behavior
- Management of legal & regulatory environment
- Critical incident risk management
- Systemic risk management

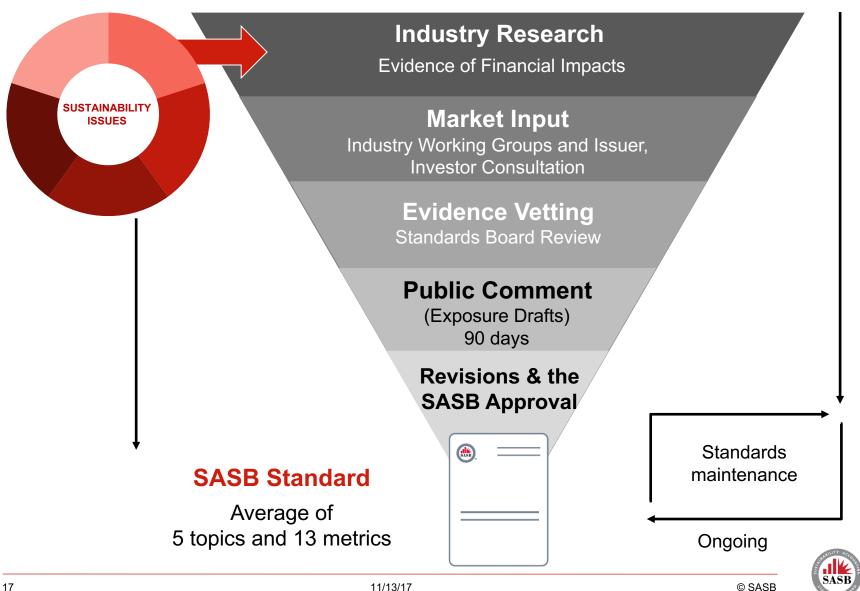




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#### **Rigorous Process Drives SASB Standards**

Standards for each industry are rooted in evidence and shaped by market input



#### **Balanced Participation**

SASB's standards-setting process informed by industry expertise

Industry Working Groups & Public Comments

**Consultation Participation** 

Anticipated Standing Sector Advisory Group Input



2016-2017

2018-onward

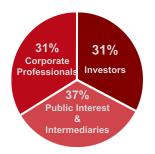
2012-2016

**Provisional Phase** 

**Consultative Phase** 

**Standards Maintenance** 

>2,800 IWG PARTICIPANTS



141 Companies

159 INDUSTRY CONSULTATIONS

11 Standing Sector Advisory Groups

19 Industry Associations
REPRESENTING HUNDREDS OF COMPANIES

**12-15** members

MEMBERS REPRESENTING ISSUERS & INVESTORS

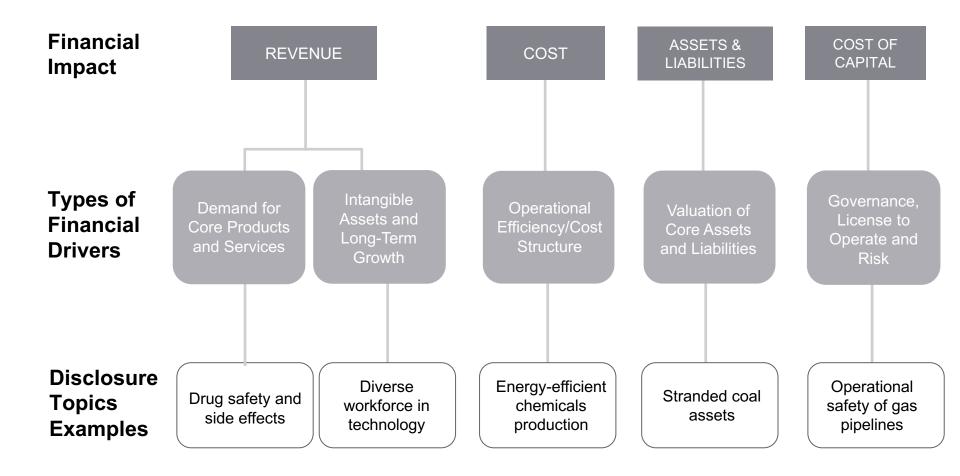
PUBLIC COMMENT LETTERS

38 Institutional Investors
271 INDUSTRY CONSULTATIONS



#### **Expected Value Drivers**

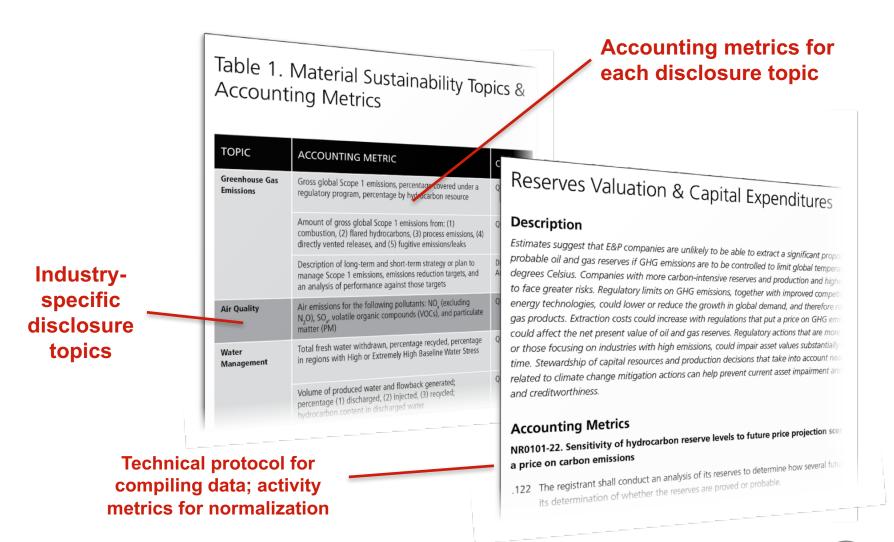
SASB's process identifies disclosure topics with evidence of impact on financial condition, operating performance or risk





#### Robust Standards Designed to Provide Decision-Useful Information

SASB standards contain industry-specific disclosure topics, metrics, and guidance

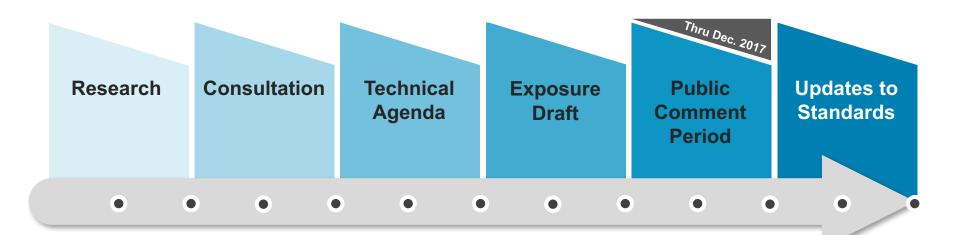




#### **Ongoing Standards Development Process**

SASB standards will be maintained to evolve along with the markets they serve

#### **3 YEAR PROCESS**



#### The SASB Oversight and Decision-Making

- Quarterly meetings of the Sustainability Accounting Standards Board
- Board meetings are public. Board meeting information is available on https://www.sasb.org/sectors/public-meetings-sasb/
- General comment letters can be sent to <u>comments@sasb.org</u>; comments on standards can be made through <u>https://www.sasb.org/standards/exposure-drafts/</u>



### SASB and Green Chemistry



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#### **Chemical Use Appears in Multiple SASB Industries**

Important issue across the value chain

#### **Industries**

**Chemicals** 

**Containers & Packaging** 

**Electrical Equipment** 

**EMS ODM** 

**Technology Hardware** 

Oil & Gas Services\*

**Building Products** 

**Toys & Sporting Goods** 

**Apparel & Accessories** 

**Household Products** 

Appliances\*

**Multiline Retailers** 

\*industries with proposed changes to chemicals metrics

Value Chain

#### **Disclosure Topics**

- Environmental Stewardship of Chemicals
- Product Lifecyle Management
- Management of Chemicals in Products
- Chemical & Safety Hazards of Products
- Product Environmental, Health, and Safety Performance
- Chemicals Management
- Product Sourcing, Packaging, and Marketing



#### **Industry-specific Metrics**

Quantitative and qualitative useful to multiple stakeholders

Qualitative **Potential Financial Impact** Revenue Discussion of strategy to (a) manage chemicals of concern and (b) develop alternatives with reduced human and/or environmental impact **Brand value** R&D **Description of processes to maintain** compliance with restricted substances regulations Costs Revenue Quantitative Percentage of applicable products meeting **Brand value** volatile organic compound (VOC) emissions and content standards R&D Percentage of products by revenue that Costs contain IEC 62474 declarable substances





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# CFP and SASB—Exploring the Linkages

Richard Liroff
Investor Environmental Health Network

# Investor Perspective on Chemicals Management

- Risks
  - Regulation
  - Reputation
  - Litigation
- Opportunities
  - First Mover Advantage
  - Drive Innovation and Grow Market Share

### **LUMBER LIQUIDATORS STOCK HIT**



### Market Winners and Losers



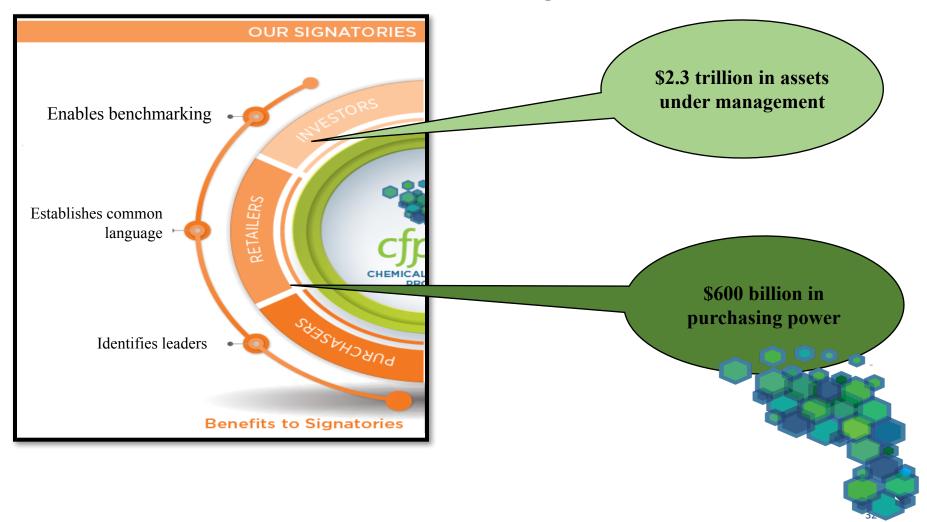
### Reputational Hit



#### HOW INVESTORS USE CFP SURVEY DATA

- Insight into chemical management and supply chain management
- Proxy for good corporate governance practice
- Engagement those that do not address the issue can find themselves a target
- Investment decision ideas

### CFP Signatories



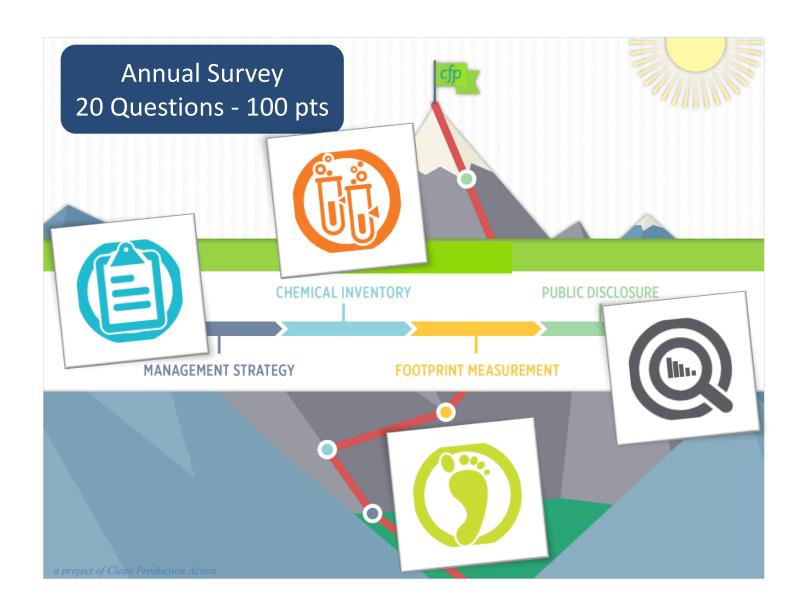


FIGURE ES-1. All CFP Pillars: Small and Large Companies Selling Formulated Products (average percent of points)

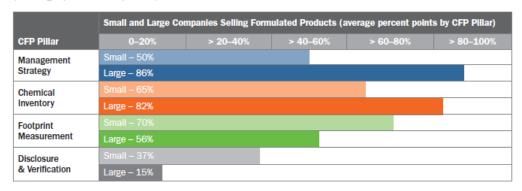


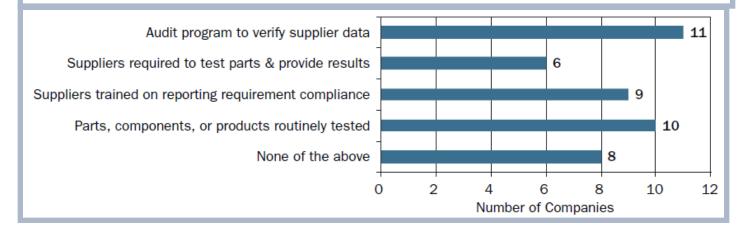
FIGURE ES-2. All CFP Pillars: Small, Medium, and Large Companies Selling Only Articles (average percent of points) (Revised 10/26/17)

	Small, Medium, and Large Companies Selling Only Articles (percent of points by CFP Pillar)					
CFP Pillar	0–20%	> 20–40%	> 40–60%	> 60–80%	> 80–100%	
Management Strategy	Small - 33%					
	Medium – 49%					
	Large - 50%					
Chemical Inventory	Small - 39%					
	Medium – 63%					
	Large – 76%					
Footprint Measurement	Small - 28%					
	Medium – 38%					
	Large - 52%					
Disclosure & Verification	Small - 13%					
	Medium - 0%					
	Large – 18%					
Average of All Four Pillars	Small - 29%					
	Medium – 40%					
7 iii 7 dai 7 iiidid	Large - 52%					



#### I6: Methods for assuring conformance with chemicals policy

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





# Aligning SASB and the Chemical Footprint Project

#### **CFP Components**

Management Strategy ("M")
Chemical Inventory ("I")

Footprint Measurement ("F")

Public Disclosure and Verification ("D")

### SASB Building Products & Furnishings

- ...may contain harmful substances that have the potential to harm human health, including...
- ...potentially significant regulatory and reputational risk
- Increasing consumer concern...
- building certification standards such as LEED are driving demand...
   Companies that effectively manage harmful chemicals...may enjoy a competitive advantage over the long term...higher demand, reduced regulatory risk...improved reputation.

### Accounting Metrics (Building Products)

- Describe chemical management processes:
  - Hazard-based, risk based, other? (M1, M2)
  - Use RSL? Screening Tools (WHO? IARC? Others?) (11, 12, F4)
  - Life-cycle stage chemicals management: product design through to marketing? (M3, I3, I4, I5, I6)
  - Prioritize chemicals for reduction/elimination? Incorporate alternatives?
     Material substitution assessments? Greenscreen or DfE? (F1, M2, F5)
  - Third-party certification? (D4)
  - Timeline and progress? (F1, F2, F3)

### Household and Personal Products Industry

- ...growing consumer and regulatory pressure...
- Larger retailers have implemented programs to ban chemicals of concern...
- Companies able to anticipate the changing regulatory landscape and implement stricter processes and testing will have a competitive advantage.
- Early adopters of innovations in green chemistry and the reduction of chemicals of concern may improve profitability...

# Accounting Metrics (Household, Personal Products)

- Percentage of revenue from products containing SVHC Candidate List chemicals, California Candidate Chemicals List (F2, F3)
- Identify *emerging* chemical concerns. Discuss, e.g., parabens, antimicrobials, toluene, PVC, PE microbeads (12, 13, 14)
- Hazard and risk assessment (F4)
- Product design, labeling, declarations (M3, F1, D1)
- Banned substances lists, material substitution assessments, screening methods (e.g., GreenScreen or CleanGredients) (I1, I2, F4)
- Discuss: chemicals in DTSC Draft Priority Work Plan, Prop 65, Washington State, etc.
- Revenue from products designed with green chemistry principles (citing 12 principles, ACS GCI, EPA Safer Choice, C2C). Possibly F2 and F3 (footprint calculation)

### Additional SASB Categories

Apparel, Accessories and Footwear

Toys and Sporting Goods

Multi-line and Specialty Retailers and Distributors

### Take-aways

- SASB's incorporation of the CFP indicators underscore that management of chemicals in products and supply chains is a financially material risk.
- Participation in CFP makes it easier for companies to respond to sector-specific standards incorporating chemical management concerns.
- For more information, visit www.chemicalfootprint.org.

### Thank you!

**Richard Liroff** 

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www.iehn.org

### **Question & Answer**

- If you have a question or comment, please type it in the "Questions" box located in the control panel
- Questions will be answered in order as they are received.



### 13<sup>th</sup> Annual GC3 Innovators Roundtable May 8-10, 2018

Hosted by Eastman Chemical Company MeadowView Conference Resort, Kingsport, Tennessee

#### Registration will open in January 2018



Tues.	Wed.	Thurs.
May 8	May 9	May 10
Roundtable -	Roundtable -	Roundtable -
half day	full day	full day
conference	conference	conference
Evening Dinner Reception	Evening Dinner Reception	



### Thanks for joining us!

For more information about the GC3: www.greenchemistryandcommerce.org

