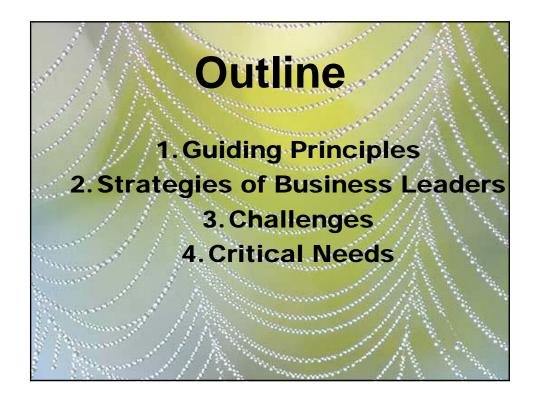
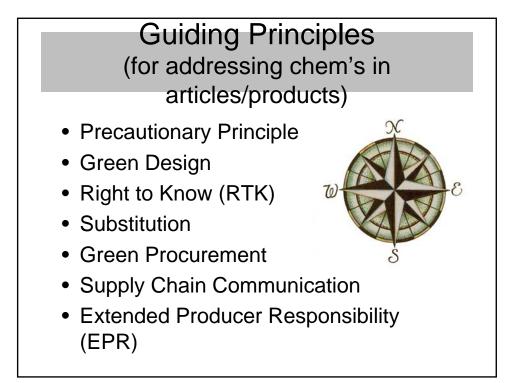
Informal Workshop on Stakeholders' Information Needs on Chemicals in Articles/Products Business and NGO Strategies for Addressing Chemicals in Articles/Products Mark Rossi, PhD



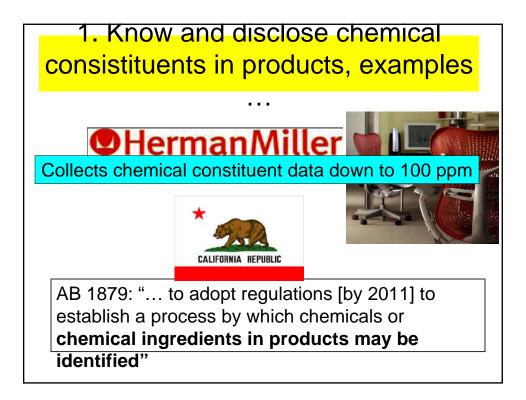


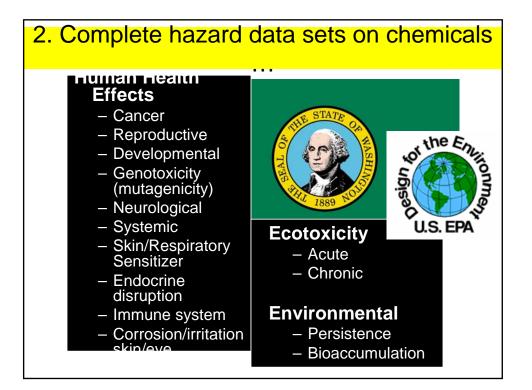




Challenges to Implementing Strategies	
Business Strategies	Challenges
1. Know & disclose product chemistry	<ul><li>Proprietary data</li><li>Complex supply chains</li><li>Complex products</li></ul>
2. Assess + categorize chemicals	<ul><li>Lack of comprehensive data</li><li>Lack of agreement on categorization protocols</li></ul>
3. Prioritize & eliminate chemicals of high concern	<ul> <li>Limited agreement on priorities</li> <li>Finding greener options</li> <li>Limited criteria for identifying safer alternatives</li> <li>Costs of (+ lack of incentives) for change</li> <li>Failure to address in design stage</li> </ul>
4. Re-design	<ul><li>Finding greener options</li><li>Limited criteria for identifying safer alternatives</li></ul>
5. Take responsibility for product	Few requirements



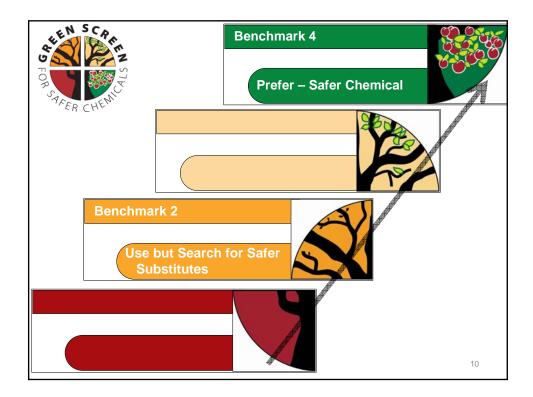


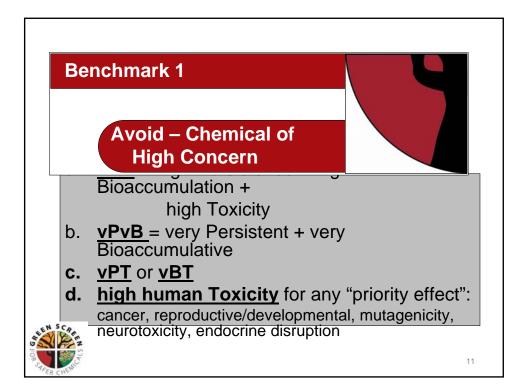


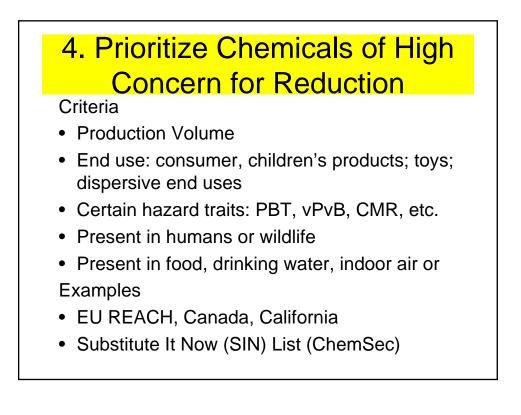
# 3. Categorize individual chemicals by level of concern ...

into levels of concern – high, moderate, low, unknown -- based on hazards ...

- EU REACH vPvBs and PBTs = substances of very high concern
- Canada priority substances list
- Washington State assessment of alternatives to decaBDE
- State of Maine commitment to categorizing chemicals by level of concern
- Green Screen for Safer Chemicals (Clean Production Action)







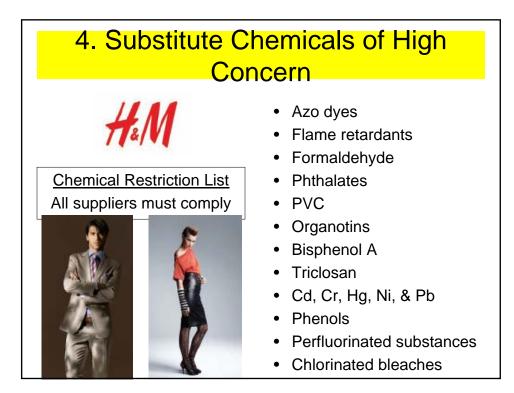
#### 4. Substitute Chemicals of High Concern

## Interface FABRIC<sup>™</sup>

Evaluates and eliminates chemicals of high concern in its fabrics through its "Dye and Chemistry Protocol"



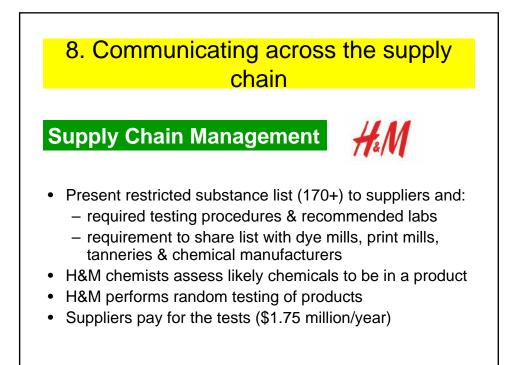
"The protocol screens out lead, mercury, perfluorinated alkyl surfactants, polychlorinated or polybrominated biphenyls, and other persistent, bioaccumulative and toxic substances commonly found in fabrics."





#### 6. Creating demand through procurement i Kaiser Permanente. Kaiser Permanente Environmental Supplier Disclosure Form -Electronics • Do you have a program to track the chemical constituents/ingredients in you products? Do you have a program to identify and reduce the use of components that contain chemicals of high concern? Are brominated flame retardants, PVC, or phthalates used in any of the product's components? • Does your product contain any other chemical listed under CA Prop 65 or as PBT by WA State, European Union or the US





### In Summary

- 1. Know & disclose chemical constituents
- 2. Compile complete data sets on chemical hazards
- 3. Categorize chemicals by levels of concern
- 4. Prioritize & substitute chemicals of high concern
- 5. Define, develop & use safer alternatives
- 6. Create demand for greener, safer, more sustainable products through procurement
- 7. Take responsibility for products from cradle to cradle
- 8. Communicate across supply chain

