

GC3 National Summit for Retailers

May 7, 2013

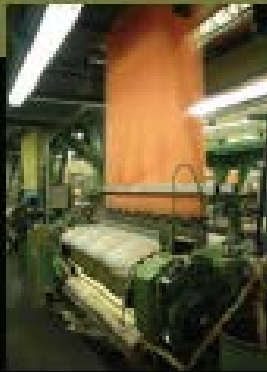


a project of Clean Production Action



Our mission is to design and deliver strategic solutions for green chemicals, sustainable materials and environmentally preferable products.





Healthy Business Strategies for Transforming the Toxic Chemical Economy



BizNGO Principles for Safer Chemicals

Endorsers include ...

- American Sustainable Business Council
- Brooks Sports
- Construction Specialties, Inc.
- Dignity Health
- Forbo Flooring Systems
- Haworth
- HDR
- Hewlett-Packard Company
- Hospira, Inc.
- Kaiser Permanente
- Method
- Naturepedic
- Novation
- Perkins+Will
- Practice Greenhealth
- Premier, Inc.
- Seventh Generation
- Shaw Industries
- Staples, Inc.
- Whole Foods Market, Inc.

1. Know & Disclose

2. Assess & Avoid Hazards

3. Commit to Continuous Improvement

4. Support Policies & Standards

The Guide to Safer Chemicals

Implementing
the BizNGO Principles
for Safer Chemicals

Summit

High Camp

Base Camp

Trailhead

1. Know & Disclose

2. Assess & Avoid Hazards

3. Commit to Continuous
Improvement

4. Support Policies & Standards

Summit

Know

All chemicals
in supply
chains & feedstock
sources



High Camp

Know

All chemicals
in products



PRACTICE
Greenhealth™

Amerinet®

Base Camp

Know

All chemicals
of high concern
in products



HEALTHTRUST®
PURCHASING GROUP

Trailhead

Know

Some chemicals
of high concern

*Standardized
Environmental
Questions for
Medical Products*

MedAssets

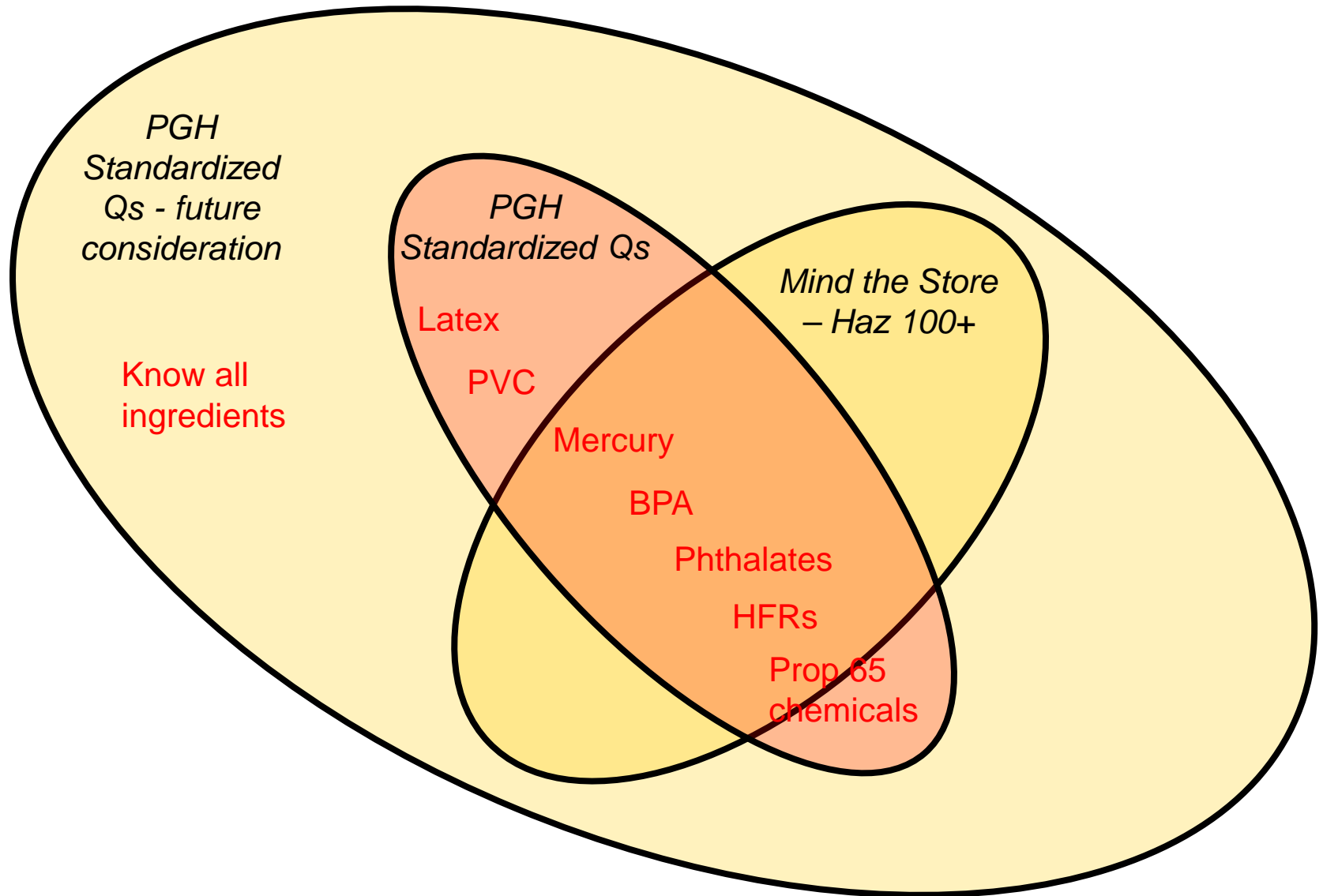
Novation®

PREMIER

 **BizNGO**
FOR SAFER CHEMICALS AND SUSTAINABLE MATERIALS

Know

Know



Summit

Know

All chemicals
in supply
chains & feedstock
sources



High Camp

Know

All chemicals
in products



Base Camp

Know

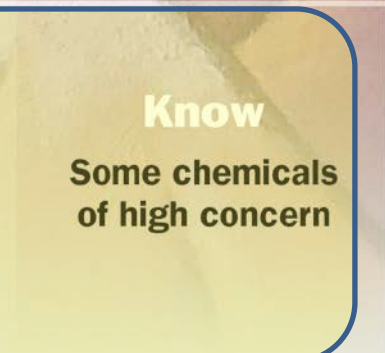
All chemicals
of high concern
in products



Trailhead

Know

Some chemicals
of high concern



Know



PRACTICE
Greenhealth™

*Standardized
Environmental
Questions for
Medical Products*

Summit

Disclose

All chemicals
in supply chains
& feedstock
sources

High Camp

Disclose

All chemicals
in products

Base Camp

Disclose

Most chemicals
in products

Trailhead

Disclose

Presence/
absence of some
chemicals of
high concern

seventh
GENERATION.

Disclose

Health Product
Declaration



Clorox

Assess & Avoid Hazards



Summit

Assess & Avoid

Specify safer alternatives

High Camp

Assess & Avoid

Select & implement safer alternatives to chemicals of high concern

Base Camp

Assess & Avoid

Identify all chemicals of high concern

Trailhead

Assess & Avoid

Create and implement restricted substances list (RSL)

Benchmark 4

Prefer – Safer Chemical

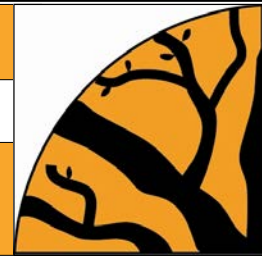
Benchmark 3

Use but Still Opportunity for Improvement



Benchmark 2

Use but Search for Safer Substitutes



Benchmark 1

Avoid – Chemical of High Concern





HP Uses GreenScreen™ to Choose Alternatives to Substances of Concern

- Select alternatives that won't be restricted in the future
 - E.g., Low toxicity
- Helps articulate materials goals to suppliers
 - Not simply saying what HP doesn't want
 - Defining what HP does want in its products

Green Screen Assessments of Similar Function Chemical			
Common Name	CAS #	Full Name	Benchmark
Preferred			
Design	none	Design material out, dematerialize	4
Substance 0	#####-##-#	Chemical name	4
Use but still opportunity for improvement			
Substance 1	#####-##-#	Chemical name	3
Substance 2	#####-##-#	Chemical name	3
Use but search for alternatives			
Substance 3	#####-##-#	Chemical name	2
Substance 4	#####-##-#	Chemical name	2
Substance 5	#####-##-#	Chemical name	2
Substance 6	#####-##-#	Chemical name	2
DO NOT USE			
Substance 7	#####-##-#	Chemical name	1
Substance 8	#####-##-#	Chemical name	1
Substance 9	#####-##-#	Chemical name	1
Substance 10	#####-##-#	Chemical name	1
Substance 11	#####-##-#	Chemical name	1
Substance 12	#####-##-#	Chemical name	1

Whole Foods Market Eco-Scale for Cleaning Products

Criterion	Red—Not for sale at Whole Foods	Orange	Yellow	Green
Transparency	Fails any of the "Orange" criteria	Full disclosure of ingredients on packaging	Full disclosure of ingredients on packaging	Full disclosure of ingredients on packaging
Compliance		Third party verified	Third party verified	Third party verified
Ingredient hazards		No significant environmental or safety concerns	No moderate environmental or safety concerns	No moderate environmental or safety concerns
Formaldehyde-donors		None	None	None
Phosphates, chlorine, or synthetic colors		None	None	None
Animal testing		None	None	None
Natural fragrances			100%	100%
Surfactants that have the potential to contain nitrosamines and other impurities			No DEA, MEA, or TEA	No DEA, MEA, or TEA
Synthetic, petroleum-derived thickeners from non-renewable sources			None	None
Plant- and mineral-derived ingredients only				Yes
Petroleum-derived ingredients				None

Whole Foods Eco-Scale Mapped to BizNGO Guide

Trailhead	<p>Know</p> <p>Some chemicals of high concern</p>	<p>Disclose</p> <p>Presence/absence of some chemicals of high concern</p>	<p>Assess & Avoid</p> <p>Create and implement restricted substances list (RSL)</p>
Base Camp	<p>Know</p> <p>All chemicals of high concern in products</p>	<p>Disclose</p> <p>Most chemicals in products</p>	<p>Assess & Avoid</p> <p>Identify all chemicals of high concern</p>
High Camp	<p>Know</p> <p>All chemicals in products</p>	<p>Disclose</p> <p>All chemicals in products</p>	<p>Assess & Avoid</p> <p>Select & implement safer alternatives to chemicals of high concern</p>
Summit	<p>Know</p> <p>All chemicals in supply chains & feedstock sources</p>	<p>Disclose</p> <p>All chemicals in supply chains & feedstock sources</p>	<p>Assess & Avoid</p> <p>Specify safer alternatives</p>

Summit

Know

All chemicals in supply chains & feedstock sources

Assess & Avoid

Specify safer alternatives

High Camp

Know

All chemicals in products

Assess & Avoid

Select & implement safer alternatives to chemicals of high concern

Base Camp

Know

All chemicals of high concern in products

Assess & Avoid

Identify all chemicals of high concern

Trailhead

Know

Some chemicals of high concern

Assess & Avoid

Create and implement restricted substances list (RSL)

RØADMAP TO ZERO DISCHARGE OF HAZARDOUS CHEMICALS

Know

Assess & Avoid

Getting Started in Retail



Green Cleaning:
Purchase 90 percent Green Seal or EcoLogo certified cleaning products in these four categories: carpet, window, all purpose, and bathroom.

A

DEHP/PVC Reduction:
Eliminate DEHP/PVC from at least one product line*.

B

Healthy Interiors:
Ensure that 25 percent of the annual volume of freestanding furniture and medical furnishings**, purchases based on cost, eliminate the intentional use of halogenated flame retardants, formaldehyde, perfluorinated compounds and PVC (also known as vinyl)."

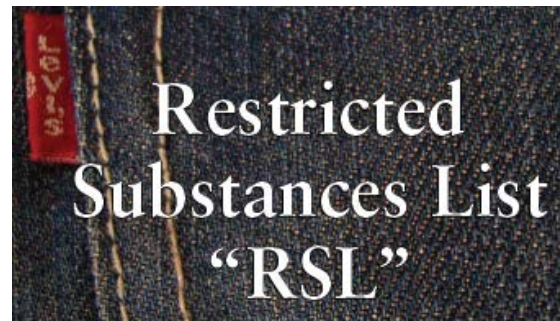
C

*1. Breast Pumps, 2. Enteral Nutrition Products, 3. Parenteral Infusion Devices and Sets, 4. General Urological (Irrigation/urology sets and solutions, urinary catheters), 5. Exam Gloves, 6. Umbilical Vessel Catheters, and 7. Vascular Catheters.

** This includes exam tables, patient recliners, mattresses, foams, panel fabrics, cubicle curtains, window coverings, fabric upholstery, and built-in or modular casework

Working with Suppliers -- RSLs

- Know – RSL Chemicals
 - Intentionally added
 - Contaminants
- Assess
 - Set RSL thresholds
- Avoid
 - No RSL chemicals (or below thresholds)



Working with Suppliers – Beyond RSLs

- Know – all chemicals in products/processes
- Assess
 - Evaluate whether chemicals of high concern in products/processes
 - Agree upon method for evaluating alternatives / identifying safer chemicals
- Prefer
 - Specify safer alternatives



Making Chemicals Management Easier



- Someone needs to know chemicals in products
- Need common criteria for chemicals of concern
- Need list of chemicals of concern
- Need common criteria for safer alternatives
- **TOOLS & SYSTEMS** make implementation easier

The Guide



- **Is a reference document of best practices**
- **Enables**
 - **benchmarking tools & initiatives**
 - **measuring internal performance, identifying areas for improvement, and tracking progress**
- **Can be used**
 - **to create chemical management system**
 - **externally to explain and report on corporate performance and progress**



Thank You!

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www.bizngo.org/guide.php