



Can we agree that if toxic chemicals from a building material are showing up in babies, then that is not a "green" building material?

~ BILL WALSH, HEALTHY BUILDING NETWORK



DESIGN IMPACTS LIVES

- Humans LIVE/WORK/PLAY inside 90% of time
- Higher pollutants inside vs outside
- Environmental sensitivities...beyond SBS

IAQ PollutersCleanersSyntheticsAdhesivesResinsCarpetsDuctsPaintsFormaldehydePerfumesHeavy Metals



IAQ		
Upholstery	Ventilation System	
Cabinetry	Equipment	0
Particulates	VOCs	
Substrates	Toiletries	
Finishes	Furnishings	



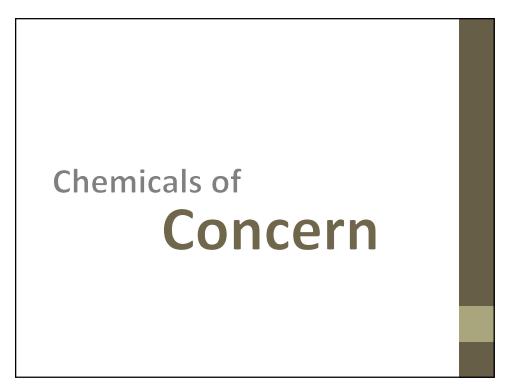
A client with multiple chemical sensitivities resides in this healthy home. All assemblies from the exterior to the interior including building materials, finishes, and furnishings were fully vetted to ensure healthy indoor environment.

Designed by Rowland + Broughton and Wendy Silverman Product vetting by Annette Stelmack

Photo courtesy of Rowland + Broughton



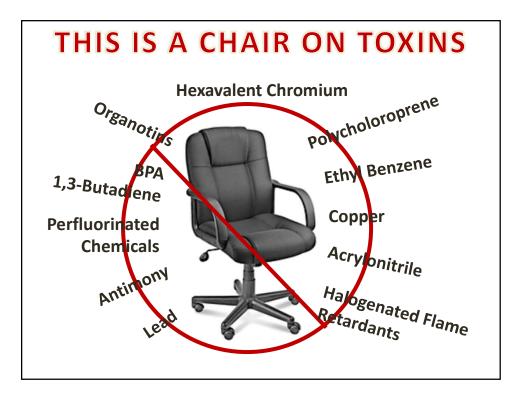


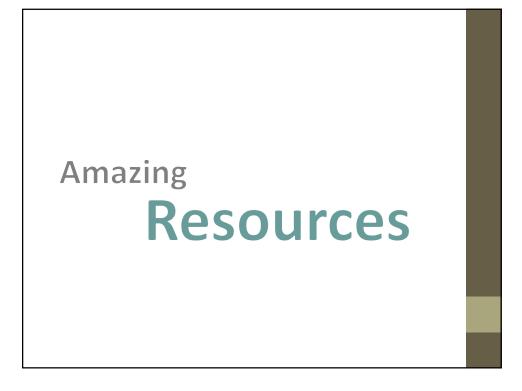




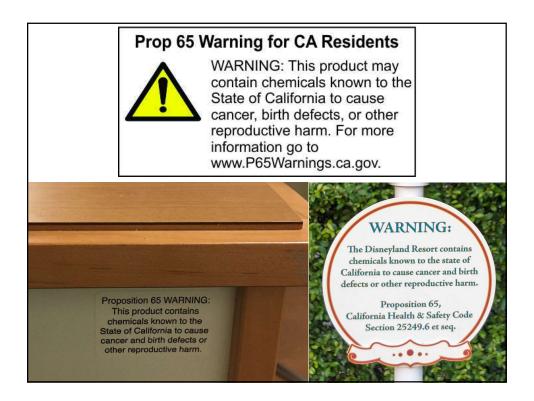
CHEMICAL	PRODUCTS	HEALTH	REGULATORY	
CHEMICAL	PRODUCTS	EFFECTS	STATUS	
Asbestos	Auto brake pads and clutches, vinyl tiles, roofing materials	Cancer, asbestosis	Some uses banned since 1989, no new risk assessment scheduled	
PERC	Dry-cleaning fluid, spot removers, water repellents	Probable carcinogen	No risk assessment scheduled	EPA'S TOXIC
Phthalates	PVC plastic, toys, plastic wrap	Male reproductive harm, early puberty in girls	Action plan complete but on hold for further study	SUBSTANCE
ВРА	Food cans and other food containers, cash register receipts	Cancer, Infertility, developmental harm, diabetes	Action plan complete but on hold for further study	CONTROL ACT
Chiorinated Phosphate Fire Retardants	Upholstered furniture, foam cushions, baby car seats, insulation	Cancer, possible nerve and brain damage	Undergoing initial risk assessment	Asbestos
TBBPA & Related Chemicals	Flame retardant in electronics, auto parts, appliances	Potential carcinogen, endocrine disruption	Undergoing initial risk assessment	• Formaldehyde
Brominated Phthalate Fire Retardants	Polyurethane foam for furniture and baby products	Potential developmental toxicity	Preliminary review, more data needed	LeadMercury
1-Bromopropane	Aerosol cleaners and adhesives	Reproductive harm, probable carcinogen	Draft risk assessment undergoing peer review	PCBs
DEHA	Plastic wrap, PVC plastic	Probable carcinogen, potential developmental toxicity	No risk assessment scheduled	• Radon
P-dichlorobenzene	Moth balls, deodorant blocks	Probable carcinogen, liver and nerve damage	No risk assessment scheduled	









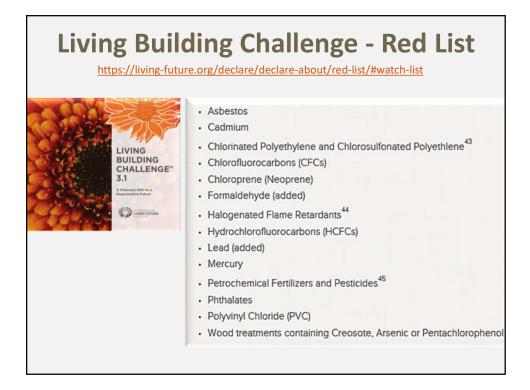




Perkins + Will - Precautionary List							
https://transparency.perkinswill.com/lists/precautionary-list							
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Substances							
Arsenic	Bisphenol A (BPA)	Bromochlorodifluoromethane	Cadmium				
Chlorinated Polyethylene (CPE)	Chlorinated Polyvinyl Chloride (CPVC)	Chlorofluorocarbons (CFC)	Chloroprene (2-chlor-1,3-butadiene)				
Chlorosulfonated Polyethylene (CSPE)	Copper (for Exterior Material)	Creosote	Halogenated & Brominated Flame Retarda				
Hexavalent Chromium (VI)	Hydrochlorofluorocarbons (HCFC)	Lead	Mercury				
Organostannic Compounds	Pentachlorophenol	Perfluorocarbons (PFC)	Phthalates				
Polystyrene	Polyurethane Foam	Polyvinyl Chloride (PVC)	Urea-Formaldehyde				
Volatile Organic Compounds (VOCs)							
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Carcinogen							
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Lead	Pentachlorophenol	Phthalates	Polyvinyl Chloride (PVC)				
Urea-Formaldehyde	Volatile Organic Compounds (VOCs)	Filialacs	Polyvinyi Chloride (PVC)				
Orea-Formaldenyde	volatile Organic Compounds (vOCs)						
Cardiovascular or Blood Toxi	icant 🕽						
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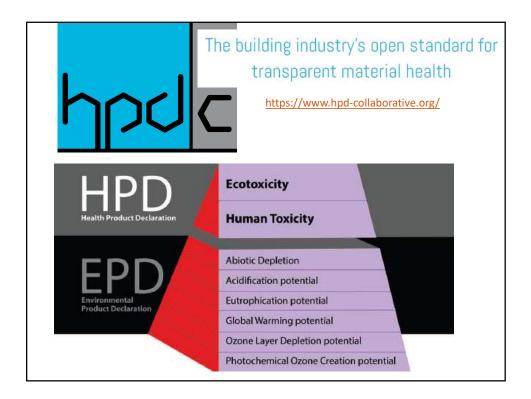




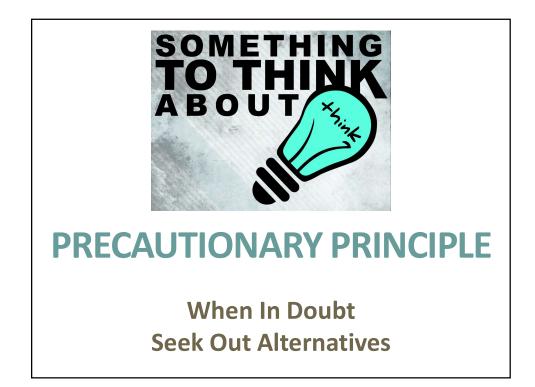


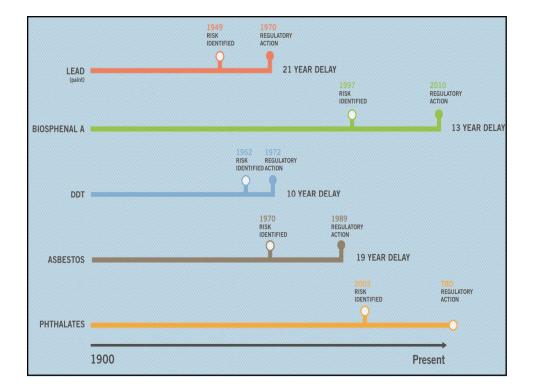












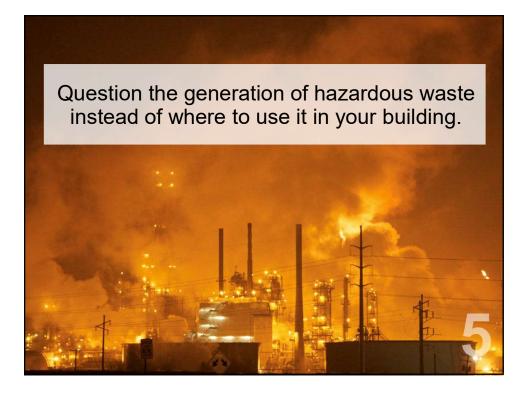


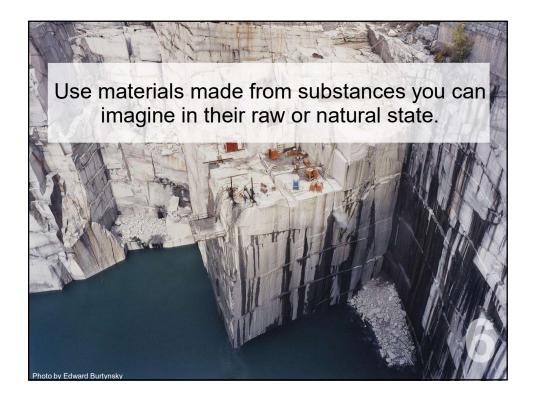






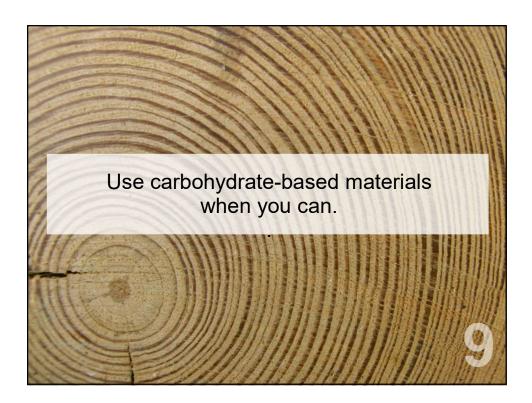






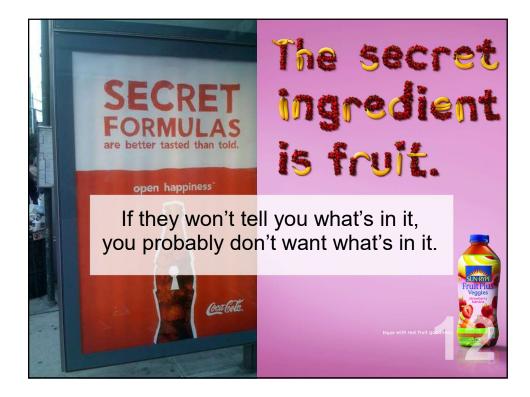




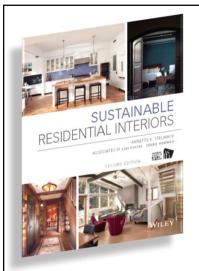












"Don't poison people, tell the truth, and let them know.

Don't tell me it's impossible to make a safe, healthy interior. Instead tell me you weren't able to do it because you aren't able to find materials and products to create a healthy space."

William McDonough ~ MBDC

"An essential guide and much needed tool, it will enable interior designers to create homes within our communities that are better places for our current and next generations." – Linda Sorrento, LEED Fellow, FASID, IIDA Principal Sustainable Practice – Sorrento Consulting, LLC

Call or Email Questions To:



Annette K. Stelmack

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