

A new approach to the phase-out of hazardous substances, GreenScreen[®] for Safer Chemicals

Mark S. Rossi, PhD Clean Production Action

11 November 2015



Clean Production Action



Together, we're creating a safer and healthier future

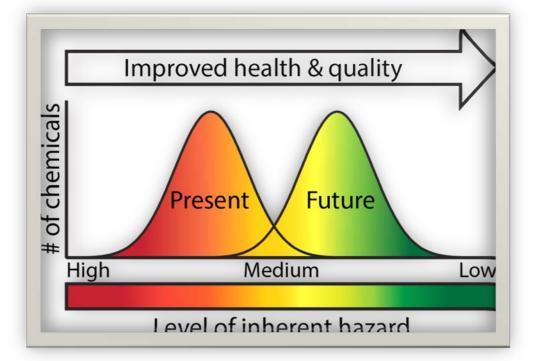
and healthier future

a project of Clean Production Action

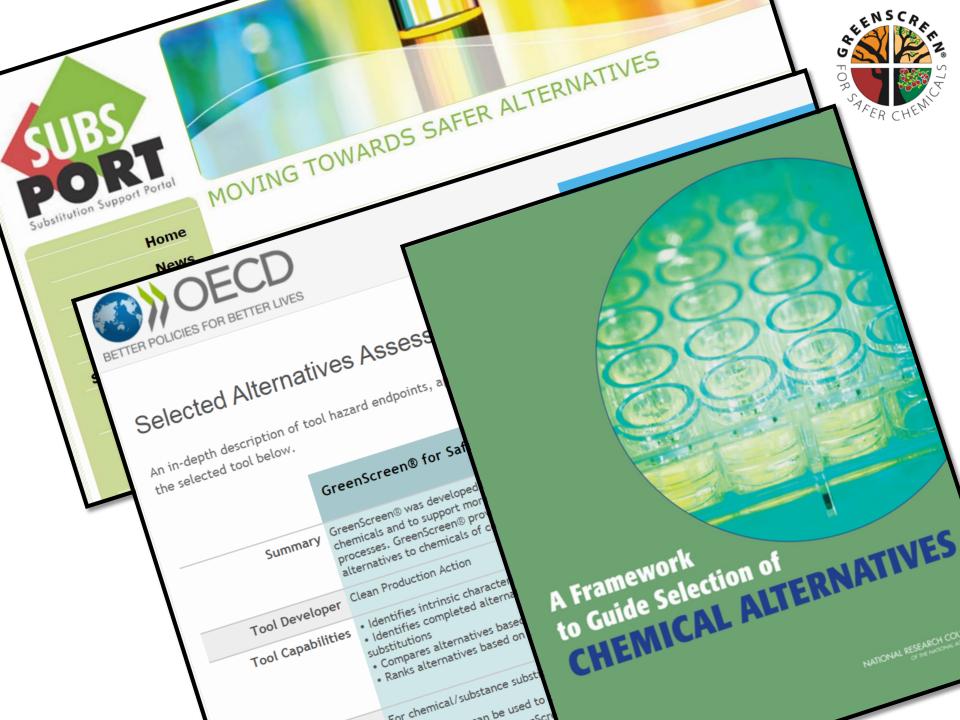
What is GreenScreen?

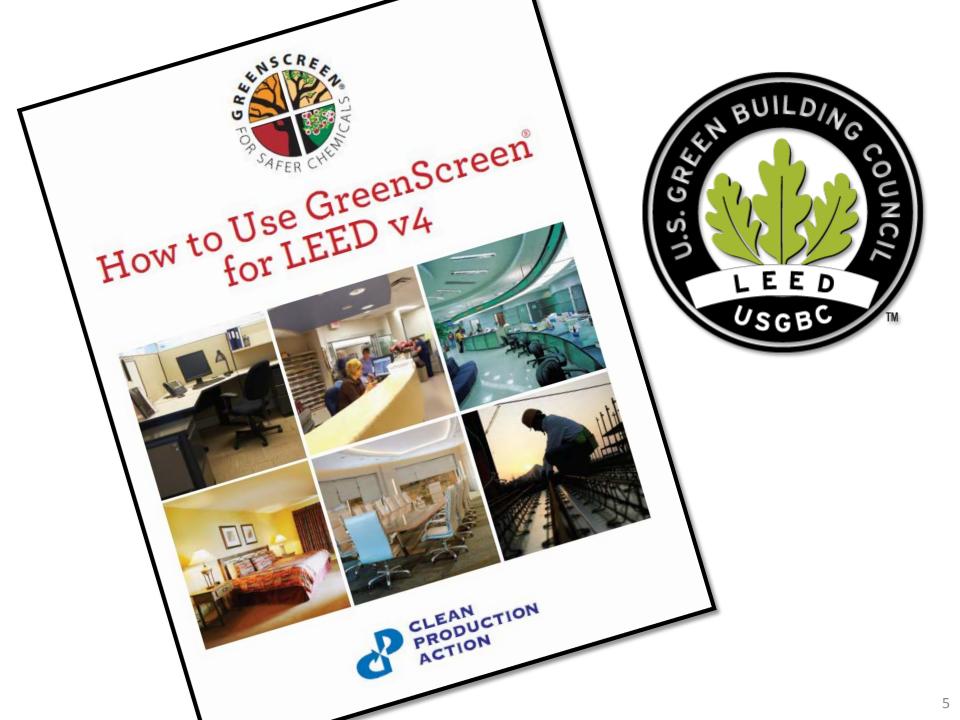
A chemical hazard assessment method (<u>hazard</u> x exposure = risk)

- Transparent
 method is freely and
 publicly available
- Scientifically robust
- Systematic
- Comprehensive









Green Screen for Assessing Replacements for Restricted Substances in Electronics

- Key screening tool that HP uses for alternatives assessment when replacing a restricted substance
- Enables identification of better materials, not just minimum acceptable



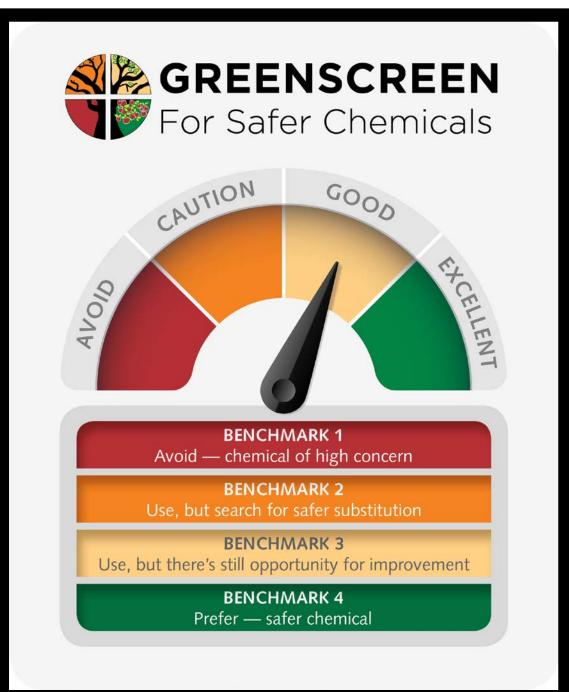
- Green Screen results are only part of decision, but initial hazard screening deselects certain options early in assessment process
- HP continues to use Risk Assessment, LCA, and Carbon Footprint tools to complement





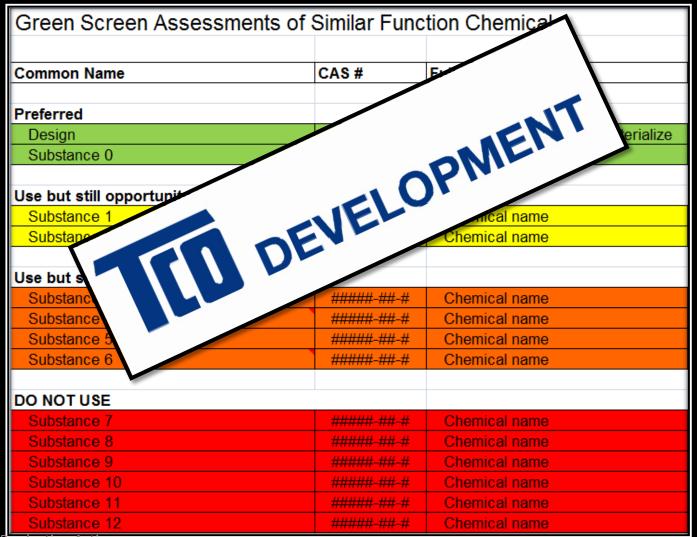
18 Hazard Endpoints

Chemical Hazard	
Persistence	Neurotoxicity
Bioaccumulation	Acute Toxicity
Acute Aquatic	Corrosion/Irritation of the
Chronic Aquatic	Skin or Eye
Carcinogenicity	Sensitization of the Skin or Respiratory System
Mutagenicity / Genotoxicity	Immune System Effects
Reproductive toxicity	Systemic Toxicity/Organ Effects
Developmental toxicity	Explosive
Endocrine Disruption	Flammability



Drives the selection of inherently safer chemicals





Thank You!

Mark S. Rossi, PhD Clean Production Action Interim Executive Director mark@cleanproduction.org t) +1 781.391.6743 x101 www.cleanproduction.org