

**A Primer on Green Cleaning Products & Practices – 40 minutes**  
*Stephen Ashkin, President, The Ashkin Group, LLC. [www.AshkinGroup.com](http://www.AshkinGroup.com))*



# A Primer on Green Cleaning Products & Practices



Presented by  
**Stephen Ashkin**



# What Is Green and Green Cleaning?

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## Executive Order 13423

- ...products and services that reduce the health and environmental impacts compared to similar products and services used for the same purpose.”



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## Executive Order 13423

- ...products and services that reduce the **health** and **environmental** impacts compared to similar products and services used for the same purpose.”



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**Executive Order 13423** <sup>5</sup>

- ...products and services that reduce the health and environmental impacts **compared** to similar products and services used for the same purpose.”



**What Is Green Cleaning?** <sup>6</sup>

- Set of “Lenses” / Approach to Cleaning



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## What Is Green Cleaning?

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- Set of “Lenses” / Approach to Cleaning
  - Preventative maintenance
  - Time management
  - Pollution prevention
  - Continuous improvement
  - Just-in-time inventory
  - Six Sigma
  - Total Quality Management



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## What Is Green Cleaning?

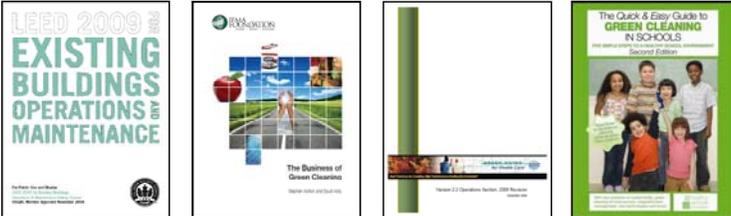
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- Set of “Lenses” / Approach to Cleaning
  - Preventative maintenance
  - Time management
  - Pollution prevention
  - Continuous improvement
  - Just-in-time inventory
  - Six Sigma
  - Total Quality Management
- Cleaning to protect health without harming the environment



**Roadmaps: By Sector** <sup>9</sup>

- LEED for Existing Buildings
- The Business of Green Cleaning
- Green Guide for Health Care
- Quick & Easy Guide to Green Cleaning in Schools



**Roadmaps: Cleaning Service** <sup>10</sup>

- Green Seal's Std on Cleaning Services (GS-42)
- ISSA's Cleaning Industry Management Std for Green Buildings





# Roadmaps: Green Lodging <sup>11</sup>

- Green Seal's Std for Lodging (GS-33)
- Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont



# Requirements <sup>12</sup>

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# Requirements

- Prevention



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# Requirements

- Prevention
- Green chemicals



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# Requirements

- Prevention
- Green chemicals

Ingredient Disclosure

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# Requirements

- Prevention
- Green chemicals

Ingredient Disclosure  
Date of Audit --- post 10/10

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# Requirements

- Prevention
- Green chemicals

UL acquires EcoLogo Program



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# Requirements

- Prevention
- Green chemicals
- Carpet & Rug Institute for vacuums



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## Requirements

- Prevention
- Green chemicals
- Carpet & Rug Institute for vacuums

Confirm Product for SOA



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## Requirements

- Prevention
- Green chemicals
- Carpet & Rug Institute for vacuums
- EPA for janitorial paper and liners



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## Requirements

- Prevention
- Green chemicals
- Carpet & Rug Institute for vacuums
- EPA for janitorial paper and liners
- Training and SOPs



The slide features a vertical sidebar on the left with logos for 'THE ASHKIN GROUP, LLC', 'EMMC EDUCATION PROVIDER PROGRAM', 'Sustainability DASHBOARD', and 'ISSA'. At the bottom, there are five circular logos: Green Seal, EcoLogo, U.S. EPA, and two others.

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## Requirements

- Prevention
- Green chemicals
- Carpet & Rug Institute for vacuums
- EPA for janitorial paper and liners
- Training and SOPs
- Shared Responsibility and Occupant Participation



The slide features a vertical sidebar on the left with logos for 'THE ASHKIN GROUP, LLC', 'EMMC EDUCATION PROVIDER PROGRAM', 'Sustainability DASHBOARD', and 'ISSA'. At the bottom, there are five circular logos: Green Seal, EcoLogo, U.S. EPA, and two others.

**Other Requirements** 23



- Other janitorial products
  - Entrance mats
  - Micro-fiber cloths
  - Micro-fiber mops
  - Recycling bins
  - Floor machines with vacuum attachments
- Other products
  - Hand hygiene
  - Waterless urinals
  - Pest management products

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**In Lieu of Standards...** 24

- "...products and services that reduce the health and environmental impacts compared to similar products and services used for the same purpose."

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## In Lieu of Standards...

- "...products and services that reduce the health and environmental impacts compared to similar products and services used for the same purpose."
- Green Continuum
 



<ul style="list-style-type: none"> <li>– Reduce toxicity</li> <li>– Recycle content</li> <li>– Durability</li> </ul>	<ul style="list-style-type: none"> <li>– Conserve chemicals</li> <li>– Conserve water</li> <li>– Conserve energy</li> </ul>
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## What About Disinfectants

- Important to protect health
- Registered with the US EPA
- Organisms of concern: H1N1, MRSA
- Use when and where needed: "touch points"
- Mix/diluted correctly
- Apply correctly --- dwell time

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## What About Disinfectants

- Selecting “green” disinfectants
  - Moderate pH (close to 7)
  - Concentrated
  - Low or no-VOCs
- Active Ingredients

Chlorine      Phenolics      Quaternary Ammonium      Hydrogen Peroxide      Citric Acid      Lactic Acid

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## How To Save \$

- Green is about reducing consumption and waste:
  - Chemicals, paper and liners
  - Maintenance of equipment
  - Energy and water
  - Life-cycle purchasing such as improved quality, durability and/or repairability
  - Shared responsibility
  - Labor

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## How To Save \$

- Just don't forget...
  - Cleaning must be effective to protect guest, staff and other's health
  - While reducing negative impacts on the environment



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## Thank You

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