Role of Standards in Promoting Green Chemistry

Green Chemistry & Commerce Council (GC3)
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Green Seal, Inc.

• Our mission:

To safeguard the environment and transform the marketplace by promoting the manufacture, purchase and use of environmentally responsible products and services.
Background on Green Seal (con’t.)

- 19 years old
- 501(c)(3) non-profit
- Science-based
- Exclusive focus on products, services, purchasing, operations
- Multiple product category standards
- Multiple criteria (life-cycle approach)
- Meets ANSI, EPA, ISO, GEN criteria
- No financial interest in products, companies
Green Seal’s Programs

• Product/Service Certification
  – based on leadership environmental standards
  – seal is registered certification mark

• Work with institutions
  – Green Partnership Programs
  – Green Lodging Program
Importance of Standards

- Establish explicit, objective standards
- Distinguish environmentally-preferable products
- Verify legitimate environmental claims
- Expert, independent assessment
- Provide criteria for specifications and bids
- Consider product performance
Key Attributes For Third-party Certifiers

- Open, transparent process
- Based on life-cycle evaluation
- Impartial; no financial interest/conflict
- Leadership levels in standards
- Developed by consensus if possible
- Monitored and enforced
- Periodically revised
Green Seal Meets Applicable Guidelines for Standard-setting and Certification

• ISO 14020 and 14024
  – Principles of Environmental Labeling
  – Principles and Procedures for Type I eco-label
• Global Ecolabelling Network membership criteria
• ANSI accreditation
• Meets EPA Guidelines for Third-Party Certifiers
• Meets Consumers Union criteria for “What makes a good eco-label?”
Standard Development

• Technical Basis:
  – Use best available science
  – Base on life-cycle of product
  – Identify leadership levels to move market

• Procedural Basis:
  – Use open and transparent process
  – No financial interest or conflict-of-interest
How standards can advance green chemistry

• Provides a goal to work towards
• Meaningful and consistent criteria
• Considers life cycle of product
• Eliminates potentially harmful chemicals from marketplace
• Differentiation and recognition in marketplace
• Promotes innovation and better design
• Continuous improvement – regular monitoring and standard revision
Challenges

- Rapidly changing technologies
- Process considerations
- Greenwashing
  - getting consumers and purchasers educated
Not just getting “green” in the mainstream

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Getting the consumer to understand what credible certification means
Educating the Consumer

• Will be a collaborative effort

• Six Sins of Greenwashing (Terrachoice Marketing)

• Greenwashing Index (Environmedia Marketing Group)

• Media
  - NBC Today Show, Oprah magazine, Real Simple, Washington Post, NPR, Newsweek

• Foster cooperation with other programs and organizations
Goals

• Continue to develop leadership standards to push the envelope
• Green Seal’s Green Partnership program
  – Assist in purchasing, operations, facilities management
• FTC guidelines for environmental marketing
Final Thought

Credible certification for products and services can act as an effective driver to promote sustainability and green chemistry in the marketplace.
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Thank You!