

PUBLICATIONS

An Analysis of Corporate Restricted Substance Lists and Their Implications for Green Chemistry and Design for Environment

**Growing the Green Economy:
A State's Guide To Creating Opportunities for
Green Chemistry and Design for Environment**

**EPA's DfE Criteria for Safer Cleaning
Products (CSCP) in the Form of a Standard**

**Gathering Complex Information and Advancing
Safer Chemistry in Complex Supply Chains:
Case Studies of Nike, S.C. Johnson,
and Hewlett Packard**

**Best Practices in Product Chemicals
Management in the Retail Industry**

To download these and other GC3 publications,
please visit www.greenchemistryandcommerce.org.

WE ARE THE GENERATION THAT HAS TO
PUT THE BREAKS ON WHAT HAS TAKEN US
ON AN UNSUSTAINABLE PATHWAY.

— Buzz Cue, Founder and President of
BWC Pharmaceutical Consulting, LLC



**GC³ Green Chemistry &
Commerce Council**

A Call for Champions

To find out how to participate, contact us.

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**Lowell Center
for Sustainable
Production**

UNIVERSITY OF MASSACHUSETTS LOWELL

The Green Chemistry and Commerce Council is a
project of the Lowell Center for Sustainable Production
at the University of Massachusetts Lowell



**GC³ Green Chemistry &
Commerce Council**

The GC3 engages champions and innovators. We are looking for leaders who want to be ahead of the curve and for companies that want to distinguish themselves in the marketplace, contributing to a more sustainable world.

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Process Chlorine-Free paper using soy-based inks.



Moving Business Toward
SAFER ALTERNATIVES

THE GREEN CHEMISTRY AND COMMERCE COUNCIL

The GC3 provides an open business-to-business forum for participants to discuss and share information and experiences related to advancing green chemistry and design for the environment (DfE). The group is hosted by the Lowell Center for Sustainable Production at the University of Massachusetts Lowell.

Green Chemistry is the utilization of a set of 12 principles that reduce or eliminate the use or generation of hazardous substances in the design, manufacture and application of chemical products.

The DfE concept encourages businesses to incorporate environmental and health considerations in the design and redesign of products and processes.

The Green Chemistry and Commerce Council has three active working groups:

- **Advancing Design for Environment and Green Chemistry.** Works with government and interested stakeholders to promote the design for the environment approach and adoption of green chemistry.
- **Tools for Chemical Assessment.** Identifies safer chemicals and designs decision-making models to facilitate choices in choosing appropriate chemicals.
- **Drivers for Innovation and Safer Products.** Identifies drivers for innovation and shares strategies businesses are developing to identify and produce safer products.

IF WE CAN DESIGN CHEMICALS IN A NEW WAY USING BENIGN CHEMISTRY, WE CAN ACHIEVE THE PRODUCTS WE'VE COME TO EXPECT WHILE REDUCING ENVIRONMENTAL AND HEALTH IMPACTS.

—Joel Tickner,
Lowell Center for Sustainable Production
University of Massachusetts Lowell

MISSION

The mission of the GC3 is to promote and support the green chemistry and design for the environment approaches to research and practices nationally and internationally among companies, governmental and non-governmental entities.

GOALS

- **Implementing green chemistry and identifying safer alternatives throughout the supply chain**
- **Sharing strategies to overcome barriers to these efforts**
- **Promoting education and information about green chemistry and design for the environment**

PARTICIPATING INDUSTRIES

More than 80 companies are involved, including the following sectors:

- Pharmaceutical
- Office and Business Suppliers
- Foodservice
- Computers and Electronics
- Cleaning Products
- Sporting Goods
- Textiles
- Retail
- Manufacturing
- Construction
- Personal Care Products

If you have an interest in working with leaders on the latest advances in green chemistry, we encourage you to participate in the GC3. Please contact us.

WITHIN THE GC3 THERE IS A FOCUS ON THE DEVELOPMENT OF TOOLS. IF ALL COMPANIES ARE CHASING THE SAME DATA, AND THERE IS A WAY TO PUT IT TOGETHER INTO A TOOL, ALL WILL BENEFIT. THE CONSUMER, ENVIRONMENT AND WORKERS.

—John Frazier
Director of Considered Chemistry, Nike

BENEFITS TO PARTICIPATION IN GC3

- Exchange of information and networking
- Focus on entire supply chain
- Sharing burdens of new systems development
- Sharing data collections and assessments
- Sharing alternative solutions
- Ability to engage across industry sectors
- Cost reduction from shared knowledge
- Development of tools
- Collaboration on chemical standards while supporting individual innovation
- Ability to correct problems before they occur
- Inspiration and encouragement by others
- Ability to respond to consumer demands
- Ability to hear a diversity of perspectives
- Collaboration between industry, NGOs and government organizations
- Visibility of new policies

TRADITIONAL SCIENTISTS ARE THE ONES WHO SEE THINGS AS THEY ARE AND ASK WHY, BUT I THINK SCIENTISTS WHO APPLY GREEN CHEMISTRY REALLY GO FURTHER THAN THAT, THEY SEE THINGS AS THEY SHOULD BE AND ASK, WHY NOT?

—Roger McFadden, Senior Scientist
and Vice President, Staples