



Report of the Breakout Sessions

Track One: Product Life Cycle

Co-Moderators

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ACTION AND REACTION

Developing a sustainable approach to emerging chemical issues

What we came together to discuss

- Design and Development – Current Issues
 - *What needs to be done with products already in the marketplace or that are now ready to enter the market?*

- Design and Development – Planning for the Future
 - *What needs to be done now to design and plan for the future in terms of product design, manufacturing processes, and delivery systems?*

Who came to the table

□ Description of the group

- >30
- Standards developers, corporations, academia, testing and evaluation, certification organizations, third-party quality assurance organizations, chemical industry reps, regulators, government, product stewardship and environmental, science policy advocacy firms, trade associations, press
- A broad, diverse, and *engaged* group

A quick summary of the issues we identified

- ❑ Toxics in products
 - definition of “toxic”
- ❑ Communicating information on “chemistry” of products and parts
 - cascading through the supply chain
 - to external customers
- ❑ Quality of information from suppliers
- ❑ Uniform format to collect data
- ❑ Traceability of chemistry of recycled products
- ❑ Transparency vs. proprietary information
- ❑ Communicate safe use of chemicals in products
- ❑ Biomonitoring
 - awareness/scan information
 - early warning system
- ❑ Balancing industry concerns with health and environmental concerns
- ❑ Educating public on what manufacturers do (i.e., toxicology, testing) in chemical management to protect consumers
- ❑ Integrating data into *all* aspects of business
 - R&D
 - Materials selection

Where there was overlap

- Common issues
 - common impacts across business sectors
 - role of government

No unique, industry-specific issues identified

What's underway now

□ **Developing Industry Coalitions**

- Aerospace - work groups (liaise with Europe)
- Apparel and Footwear
- Wal-Mart initiative — “value” networks
- Associations within pharmaceutical, hi-tech industry, bio, furniture industries
- Auto sector – Suppliers Partnership for the Environment; AIAG REACH work group

□ **Programs, initiatives, and applicable standards and compliance activities that can help to address the issues** **Organizations/Initiatives**

- OECD
- UNEP
- GEMI
- World Business Council for Sustainable Development
- SCHC and British counterpart – SHCS
- American Chemical Council (biomonitoring program)

Standards

- ISO 14040 (Product life cycle – energy use)
- IPC1752-2 (format for collecting data)
- Other?

What do we still need?

□ Gaps:

- communicating information about chemicals
- defining toxics
- quality of information on parts
- Chemistry of recycled materials
- format for collecting data (IPC1752-2)
- biomonitoring
- material assessment framework

□ Opportunities for coordination, harmonization and partnering:

- International Organization for Standardization (ISO)
- ASTM International (F40 Committee)
- OECD
- GEMI
- UNEP
- NAM
- World Business Council for Sustainable Development
- SCHC and British counterpart – SHCS
- American Chemistry Council (biomonitoring program)
- American Chemical Society
- Non-NGO groups

Action Plan - One

- ❑ Establish a Safe Use Communication Process
 - Focus on manufactured, finished goods

Timeline: Immediate (September teleconference)

Who needs to be involved: major manufacturing sectors (i.e., automotive, aerospace, electronics, apparel and footwear, and others)

Lead Organization: NAM manufacturers' network association; ANSI

Lead Person: Patricia Beattie

Action Plan - Two

- Consider the formation of a forum/clearinghouse to *proactively* address future legislation, use of chemicals in products
 - create a process that acts *before* regulations - focus on scientific health and environmental literature
 - Organizations to be engaged:
 - American Chemistry Council
 - American Chemicals Society

Action Plan - Three

- Develop a Materials Selection Process Encompassing Health and Environmental Impacts of Finished Products
 - Understand more about the Department of Defense Scan-Watch-Act process
 - Expand automotive sector materials assessment strategy activities (Suppliers Partnership for the Environment)

 - Engage cross-industry involvement
 - Input from session attendees, NAM network
 - Identify NGOs
 - International outreach

Timeline: Continue work through Suppliers Partnership
Expand to engage other cross-sector forums

Resources/Points of contact

- ANSI
- NAM manufacturers' network association

