

Human Biomonitoring and Implications for Product Stewardship

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- “Before everything else, getting ready is the secret to success.”

Henry Ford



Biomonitoring's Challenge to Product Stewardship

- What is human biomonitoring?
- What does it tell us?
- What doesn't it tell us ?
- Why is it in the news?
- Why is it important to the value chain?
- What challenges does it pose to product stewardship?



ACC Position on Biomonitoring

- Support development of science based exposure information
- Support for science based biomonitoring programs
- Support for appropriate use of biomonitoring information in risk assessment and in creating public policy
- Support for appropriate interpretation and communication of biomonitoring info to promote risk based decisionmaking



Center for Disease Control & Prevention's 4th National Exposure Report

- Approximately 275 chemicals will be included
- More than 100 new chemicals since the 3rd Report in 2005
- Are companies ready with communications about biomonitoring results on these new chemicals?





ACC Communication Activities

- Advance notice of CDC publications on new biomonitoring results
- CDC list serve
- Opportunities for companies to review data when provided to NCHS
- Communication template



Understanding How Biomonitoring Fits within Product Stewardship

- What is product stewardship ?
- Biomonitoring addresses human exposure
- Biomonitoring information can raise concerns about
 - materials, processes, uses



What's a responsible manufacturer to do ?

- Responsibilities of Product Stewardship programs
- Attentiveness to signals of significant health effects or exposures
- Review information needs
- Importance of communication



Implications for Product Stewardship

- Biomonitoring should become integral part of a product stewardship program's evaluation of potential hazards, exposures & risks associated with manufacturing, use, and disposal.



The Business Case

- Biomonitoring may indicate actual human exposure
- Public may react with concern
- “Personal” information
- Misunderstanding may trigger calls for inappropriate regulatory action, substitution, de-selection, risk management



Biomonitoring Challenges to Product Stewardship Programs

- To better understand inherent chemical properties (e.g. persistence, bioaccumulation) & other attributes
- To better understand how uses may contribute to exposures
- To develop methods & data to interpret biomonitoring in a risk context
- To understand multiple sources of exposure

Take-Aways:

Your responsibilities as product stewards

- Development & dissemination of chemical specific methods & information needed to help shape reasonable, risk based decisionmaking for those products that are, or may be, included in a reliable human biomonitoring program

Take-aways:

Your responsibilities as product stewards

- Prepare to communicate about biomonitoring data on your products in CDC's 4th National Exposure Report



Prepare to Lead through Product Stewardship

- “Management is doing things rights; leadership is doing the right thing”
Peter F. Drucker
- “Success is a journey, not a destination. It requires constant effort, vigilance and reevaluation.”
Mark Twain