Managing & Aligning Lists of Chemicals of High Concern

Ivan Welvaert
Director, Global Product Stewardship
Office of Global Sustainability

December, 2017
Boston, US
Who is BD?

We are a Fortune 500 company that is:

**Reaching the corners of the world:** Locations in more than 50 countries with more than 40,000 associates worldwide

**Focused on improving efficiency of healthcare delivery and patient outcomes:** We understand and serve the needs of our customers, including healthcare institutions, life science researchers, clinical laboratories, pharmaceutical and biotech partners and patients

**Part of the fabric of the healthcare industry since 1897:** A legacy of medical supplies and services, devices, laboratory equipment and diagnostic technologies

**Continually innovating practices across the healthcare continuum:** Advancing cellular research capabilities and therapies, point-of-care diagnostics, medication management, infection prevention and patient safety
Global operations

- **BD in Canada**
  - 700 associates

- **BD in United States**
  - 17,700 associates

- **BD in Latin America**
  - 9,800 associates

- **BD in Western Europe**
  - 8,300 associates

- **BD in Asia Pacific**
  - 6,500 associates

- **BD in EMA**
  - 400 associates
BD Medical

- Medication and Procedural Solutions
- Medication Management Solutions
- Diabetes Care
- Pharmaceutical Systems

Pyxis MedStation® ES System

BD Insulin Syringe with the BD Ultra-Fine™ 6mm needle

Alaris® System

Chloraprep®

BD Nano™ Pen Needles

BD Physioject™

BD Emerald™

BD Nexiva™
BD Life Sciences Segment

- Preanalytical Systems
- Diagnostic Systems
- Biosciences

BD Kiestra™ Laboratory Automation
BD Veritor™
BD Vacutainer® Blood Collection Tubes
BD FACSPresto™
BD FACSAria™ Fusion
BD Accuri™
BD LSFRFortessa™ X-20
BD Viper™ LT

© 2017 BD. BD and the BD Logo are trademarks of Becton, Dickinson and Company.
Our approach to sustainability

- BD's sustainability strategy addresses the wide range of challenges in our industry, while helping to make a difference on relevant issues that affect society and the planet.
- In addition to an ongoing focus on improving environmental performance, our sustainability strategy takes a broader view of BD’s role in addressing global societal issues.
- The 2020 Sustainability goals are spread across four pillars.
Regulatory requirements

- Increasing requirements on reporting/labelling of products containing materials of concern (EU MDR - 2020)
- REACH registration 2018 deadline and revised Article SVHC reporting
- RoHS Phthalates 2019 deadline
- Growing number of restricted substance lists driven by:
  - Global institutions
  - National regulators
  - Customers groups
  - Environmental NGO’s
  - EPP programs
Managing in a dynamic environment

**Internal:**
- Growing portfolio of more diverse products
- Global infrastructure with different customer bases across segments
- Cross functional end to end processes
- Various IT platforms

**External:**
- Growing number of environmental regulations such as REACH, RoHS, CM, CA Prop65, GHS, etc. across the globe with local variations
- Chemicals list are dynamic (REACH, CLP, Ca Prop 65)
- Minimal standardisation across regions
- Multi-tier supplier networks (down stream users) including SME companies
- Supply chain communication: many requests for information in different formats, chemicals lists, thresholds.
Our focus

• Establishing a more formal chemicals management strategy, with standard process and systems
• Harmonizing substance supply base compliance processes and governance model
• Rolling out a scalable and integrated supplier collaboration platform
• Checking reported chemicals automatically against restricted substance lists
• Integrating Product Stewardship requirements in product development systems
• Integrating material risk into the supplier risk model
Long-term vision

Overall goal: a product enters the market with a set of standardised product information to respond to ALL relevant product stewardship data requirements.

How will we get there?

• Work with stakeholder groups to establish sustainable models for chemical data exchange, with common standards and platforms
• Explore developing technologies to capture chemical data across the supply chain (from cradle to grave and beyond)
• Minimize data collection and management efforts