

# Green Chemistry and Commerce Council Innovators Roundtable

Product Chemicals Management

May 5, 2009

Chemical Product Ingredient Assessment Process

# Merchandise Compliance: Process and Safeguards

Goal: The value of working together with suppliers to obtain accurate information to drive compliance and sustainability efforts.

## Overview

- Key Drivers: Define the need for accurate chemical information
- One solution and facility applications
- Sustainability tool for Buyers
- Industry initiative to improve chemical data in the Supply Chain
- Panel discussion

# Background

- Need accurate regulatory data from suppliers to protect associates, communities, and properly ship & dispose of chemicals
- Increasing regulations at both State and Municipality level

# Background

- Retailers have historically relied on MSDS for key compliance information from Suppliers
- GAP continues to grow between Retailer's needs and what suppliers have expertise to provide on even the best MSDS

# Background

- We were trying to make our Buyers and Suppliers experts on Hazmat regulations
- Retailers are responsible for proper chemical management within their facilities
- Need a tool to assist Buyers and Suppliers reduce the environmental impact of chemical products

# Solution:

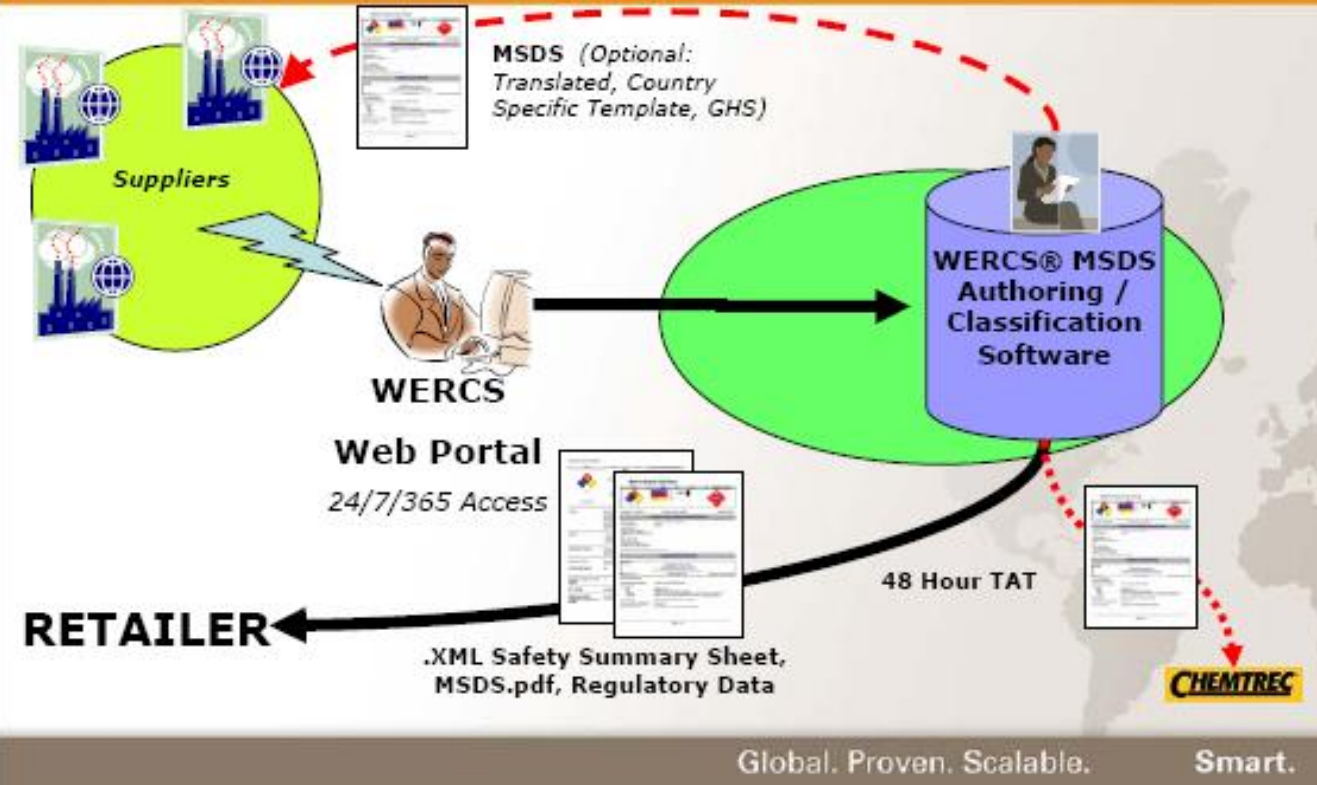
- Suppliers understand the chemical composition of their products
- Use of 3<sup>rd</sup> Party Service Providers with Regulatory Expertise
- Gather minimal and validated supplier data via web portal (like a tax wizard)

# Solution:

- Extrapolate data into critical regulatory information on each product
- Provide data stream directly to retailer to meet compliance requirements
- Can support sustainability initiatives



## Worldwide Environmental Regulatory Compliance Systems







# Wal-Mart/SAM'S CLUB Chemical Assessment Review Process

[Sign Out](#)

Chemical Assessments | UPC Numbers | Data Review | Documents

Product Information | Formulation | **Physical Data** | Transportation Classification | Other Characteristics

**Site Help**  
[FAQ's](#)  
[Site Tips](#)  
[Terminology](#)  
[Support](#)

**Page Help**  
[Data Entry Tips](#)

**Product Name**  
 toys



## Physical Property Data

Aerosol	<input type="checkbox"/> Aerosol	
Choose Physical State	<input type="radio"/> Liquid <input type="radio"/> Gas <input type="radio"/> Solid	
Select ADDITIONAL PHYSICAL STATE Information		<a href="#">Select</a>
Select APPEARANCE that best describes your product		<a href="#">Select</a>
Select ODOR that best describes your product		<a href="#">Select</a>
ENTER pH (Enter a value from 1-14)	<input type="text"/>	
Or, Choose pH Range	Select pH Range <input type="button" value="v"/>	
Water Solubility		<a href="#">Select</a>
Is this a pesticide?	<input type="radio"/> Yes <input type="radio"/> No	
Specific Gravity (Water = 1)	<input type="text"/>	

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# Solution Benefits:

- Accurate and consistent regulatory information to drive facility applications
- Consistent & complete MSDS for private label products
- Participation required at new item setup
- Critical Data can be streamed to Retailer's item file

# Solution Benefits:

- Provide value back to Suppliers that need compliant MSDS and regulatory and/or sustainability information
- Assist in meeting impending GHS, REACH and sustainability requirements
- WERCS data available to other Retailers with Supplier's permission

# Facility Applications

- Proper DOT hazmat shipments
  - Hazmat product ID and guidance
  - Prints Bill of Lading and box label
- Hazwaste management
  - Potential Hazwaste product ID and guidance
  - Shelf labels
  - Tied into claims process

# Facility Applications

- Distribution Center slotting codes
  - Fire separation
  - Food items stored away from chemicals
- Sustainability tool for Buyers

- **The claims associate will see a message similar to the following on the Telxon:**

```
| This is a fully regulated Hazardous  
| Material item. Requires separate  
| Claim, Packaging, bill of lading  
| and labels :8 CORROSIVE LIQUIDS  
|  
|  
|  
+-F12 to Continue
```

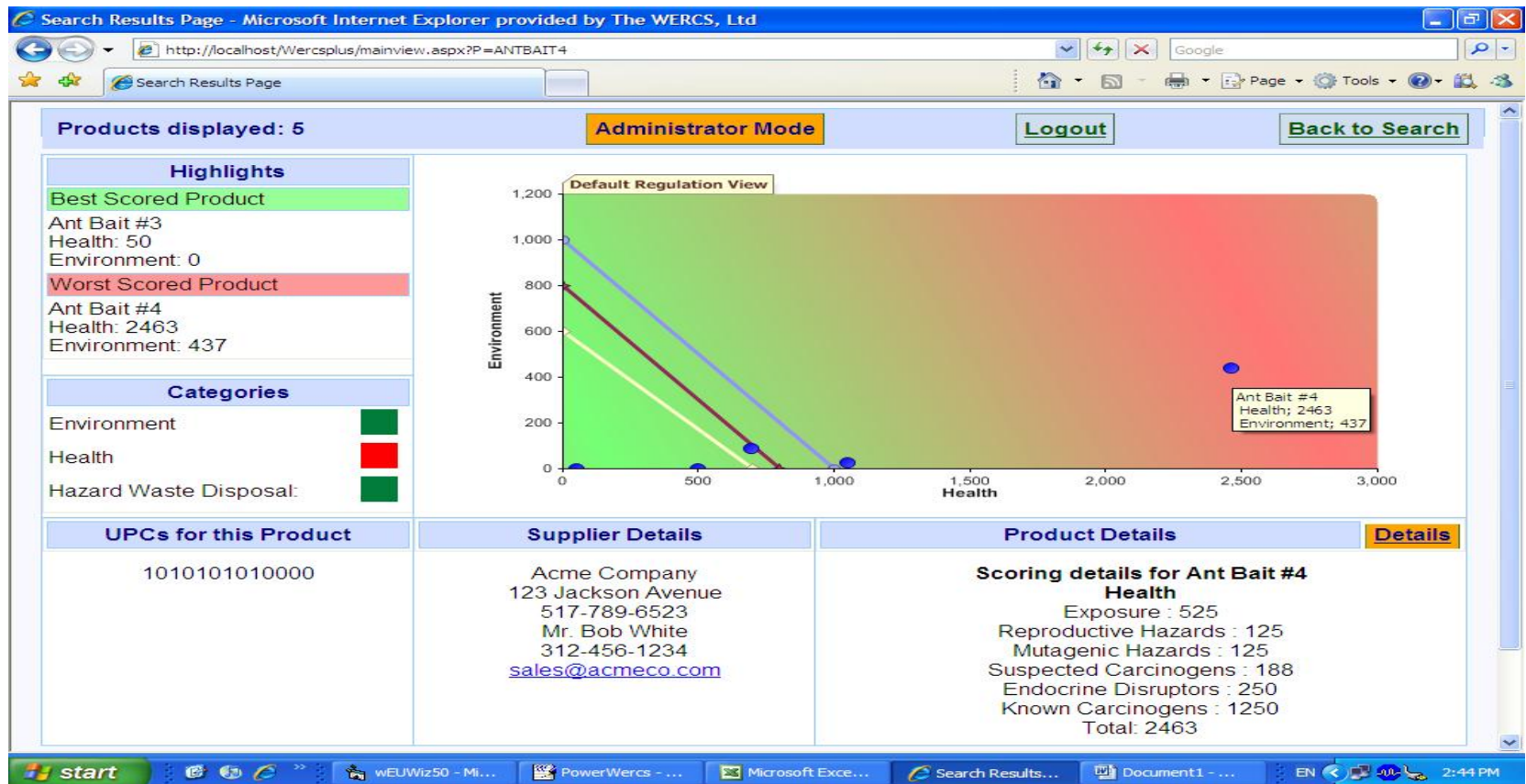
Once the claim is finalized on the item, a label will print out with the proper information to identify the hazards in the box and three copies of the Bill Of Lading print out to be signed by management and the truck driver.

# Hazardous Waste Applications



# Chemical “Screening Tool”

Spurs supplier innovation and provides our buyers and suppliers a fully-transparent tool designed to help evaluate chemicals used in products; potentially reducing products that could pose environmental and/or health hazards.





# Chemical “Screening Tool”

- Examine the chemicals in products from various lists including PBTs, CMRS, etc.
- Tool allows for configurable weighting of areas based on product category
- **Focus is on Continuous improvement**

Name	Group	Weight	Active	Details
Known Carcinogens	Health	500	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Reproductive Hazards	Health	50	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Target Grey List	Health	2000	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Endocrine Disruptors	Health	100	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Suspected Carcinogens	Health	75	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Mutagenic Hazards	Health	50	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Sensitizer	Health	25	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Exposure	Health	10	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Ozone Depletion	Environment	75	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Hazardous Waste	Environment	50	<input checked="" type="checkbox"/>	<a href="#">Details</a>
VOC	Environment	50	<input checked="" type="checkbox"/>	<a href="#">Details</a>
PBT Chemicals	Environment	100	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Air Pollutants	Environment	25	<input checked="" type="checkbox"/>	<a href="#">Details</a>
Water Pollutants	Environment	25	<input checked="" type="checkbox"/>	<a href="#">Details</a>

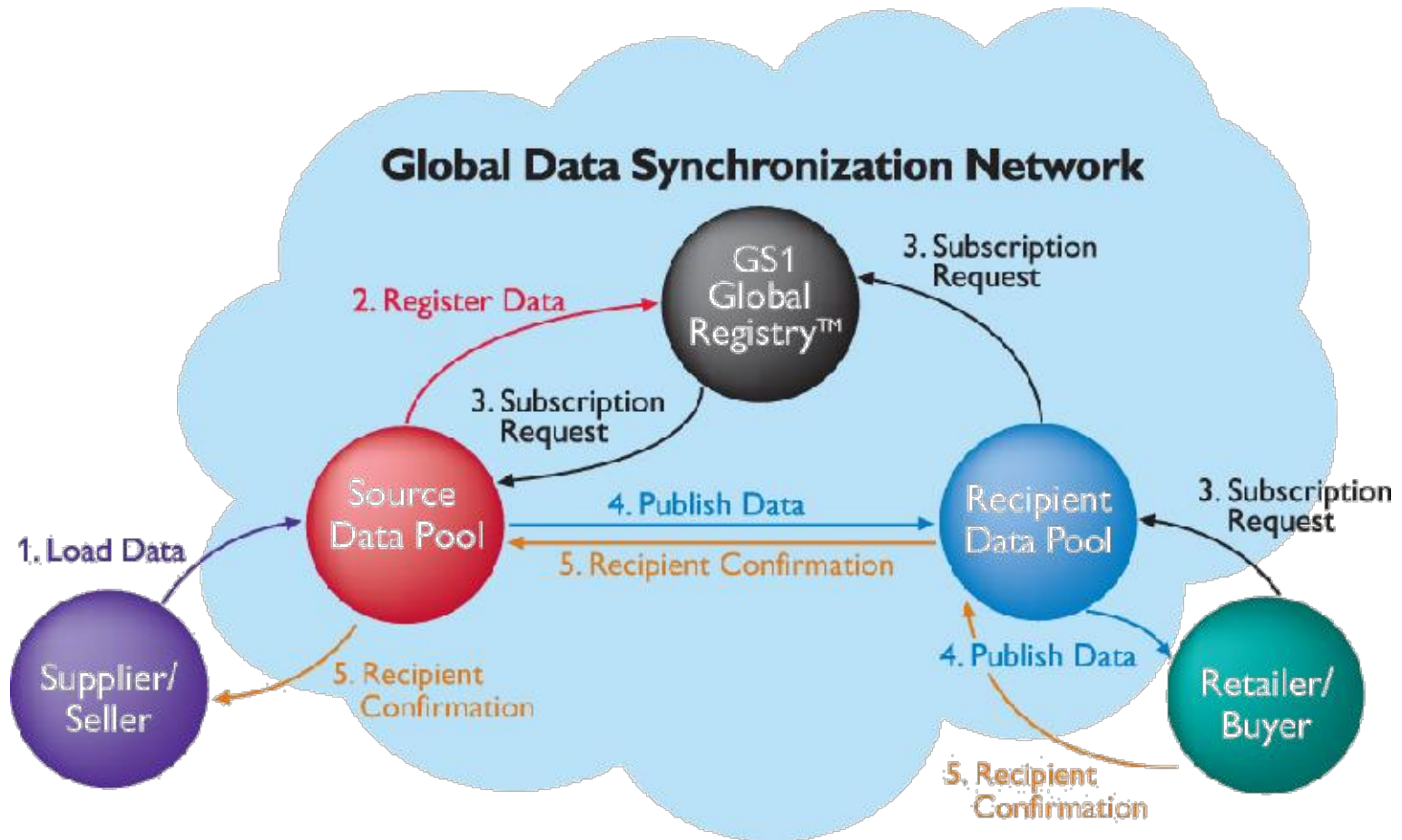
[Save Mapping](#) [Edit Categories](#)

Sustainability Goals	2008	2009	2010
Health	1000	800	600

# **Global Data Synchronization Network Product Ingredient Reporting Project**

- **Supply chain data transfer process**
- **Manages bar code registration**
- **Global application**
- **Improve efficiencies speed and accuracy**
- **Addresses confidentiality concerns**

# The GDSN Network



# Global Data Synchronization Network Product Ingredient Reporting Project

- **Work group has over 22 companies including:**
  - Walgreen, Costco, Home Depot, Lowes, Target, Sears, Wal-Mart, Department of Defense
  - **Data Pools** - Big Hammer, 1SYNC, SA2 WORLDSYNC, formerly Sinfos and Agentrics
  - **Supplier Companies:**
    - Johnson & Johnson
    - SC Johnson
    - 3M
    - Sherwin Williams
    - Con Agra Foods
    - Dial (Henkle)
    - Procter & Gamble
    - Colgate Palmolive
    - Kimberly Clark
    - Church & Dwight
    - Reckitt Benckiser

# Product Ingredient Reporting Project

## Association support:

- Consumer Specialty Products Association
- Grocery Manufacturers Association
- Soap & Detergent Association
- National Paint & Coatings Association
- Personal Care Products Council
- Automotive Aftermarket Industries Association
- Motor Equipment Manufacturers Association
- Fragrance Materials Association

# Suppliers' Business Needs

- Information confidentiality and security
- Third-party validation of “up-to-the-minute” federal, state and local regulations
- Suppliers can use information for transportation & storage safety
- **Sustainability** – supports global environmental regulation Compliance (REACH)

# Panel Discussion

Questions?