

# Trends and Considerations for Global EH&S Regulatory Compliance

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AHMP - San Diego  
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# The Complexity



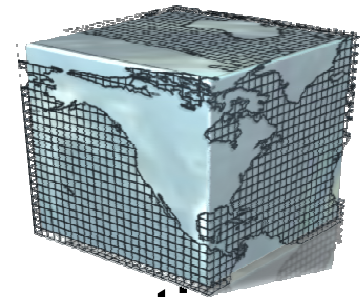
- **Are constituents on the respective inventories**
- **Are your employees protected**
- **What documents you need for distribution**
- **What is the best way to ship**
  - **Packaging/Classification/Labeling**
  - **Segregation**
  - **Risk**
- **What is the impact on the environment**
- **Are rules the same across your target markets**



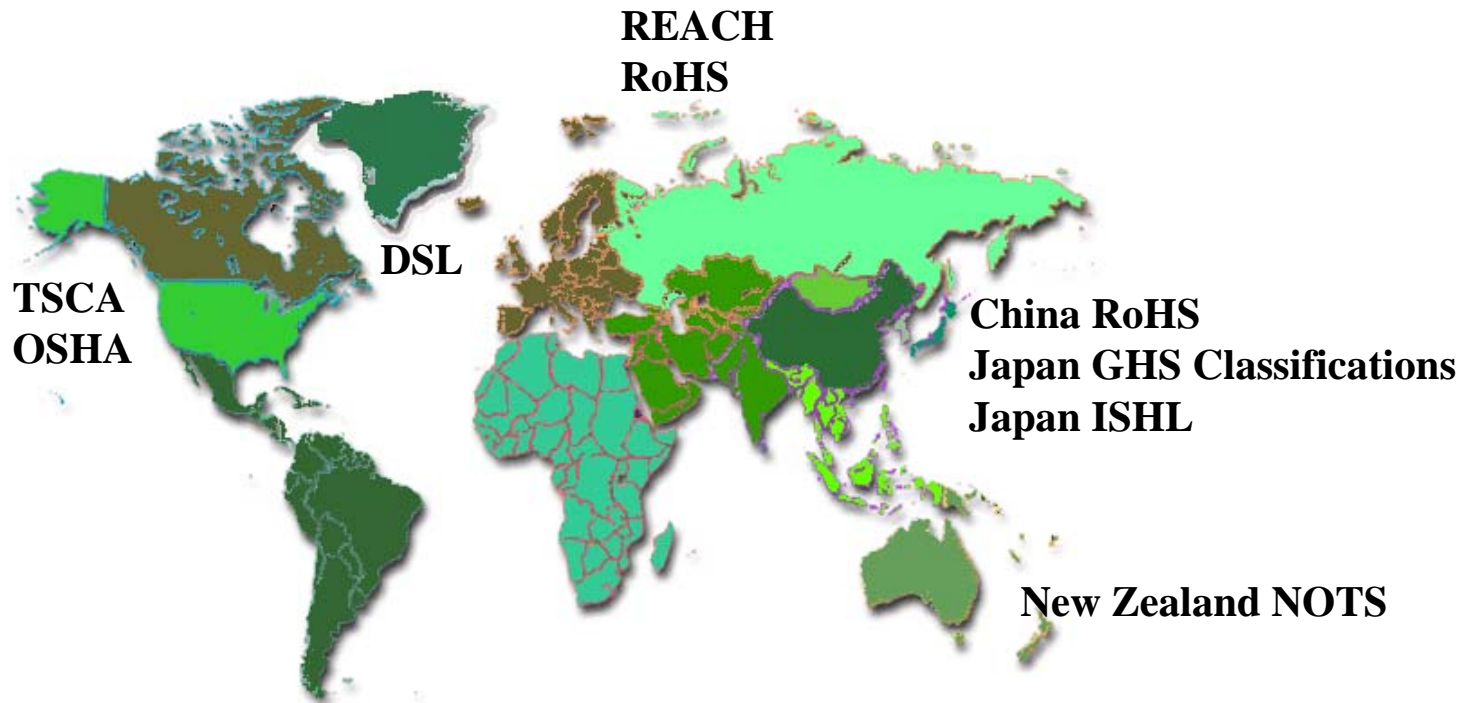
# Regulatory Content at Core of EH&S



- Regulatory Values:
  - Prohibitions and restrictions
  - Limit values - exposure limits, threshold limits, etc.
  - Reportable quantities
  - Permits
  - Notifications requirements ...
- Documentation and Regulatory Reporting:
  - Safety Data Sheets
  - Labels
  - Regulatory compliance reports
  - Transport documents ...



# Localization of Regulations

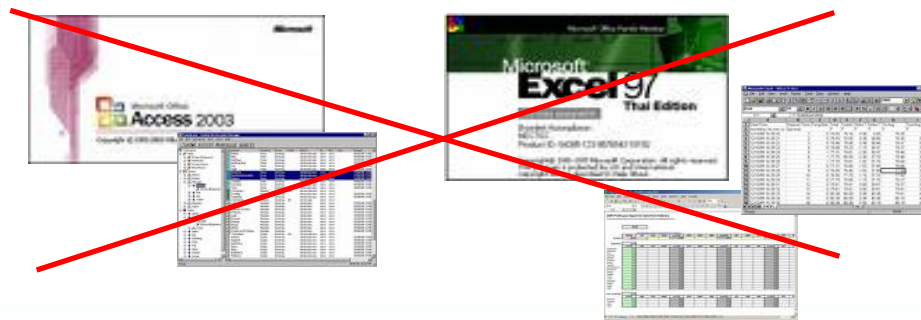


- Global Harmonized System (GHS) – countries adopt and classify through own regulatory systems

# Automated Processing



- Repeatable, consistent, automated processes
- Rules based engines
- Elimination of multiple Excel spreadsheets and MS Access databases



# Regulatory Suite



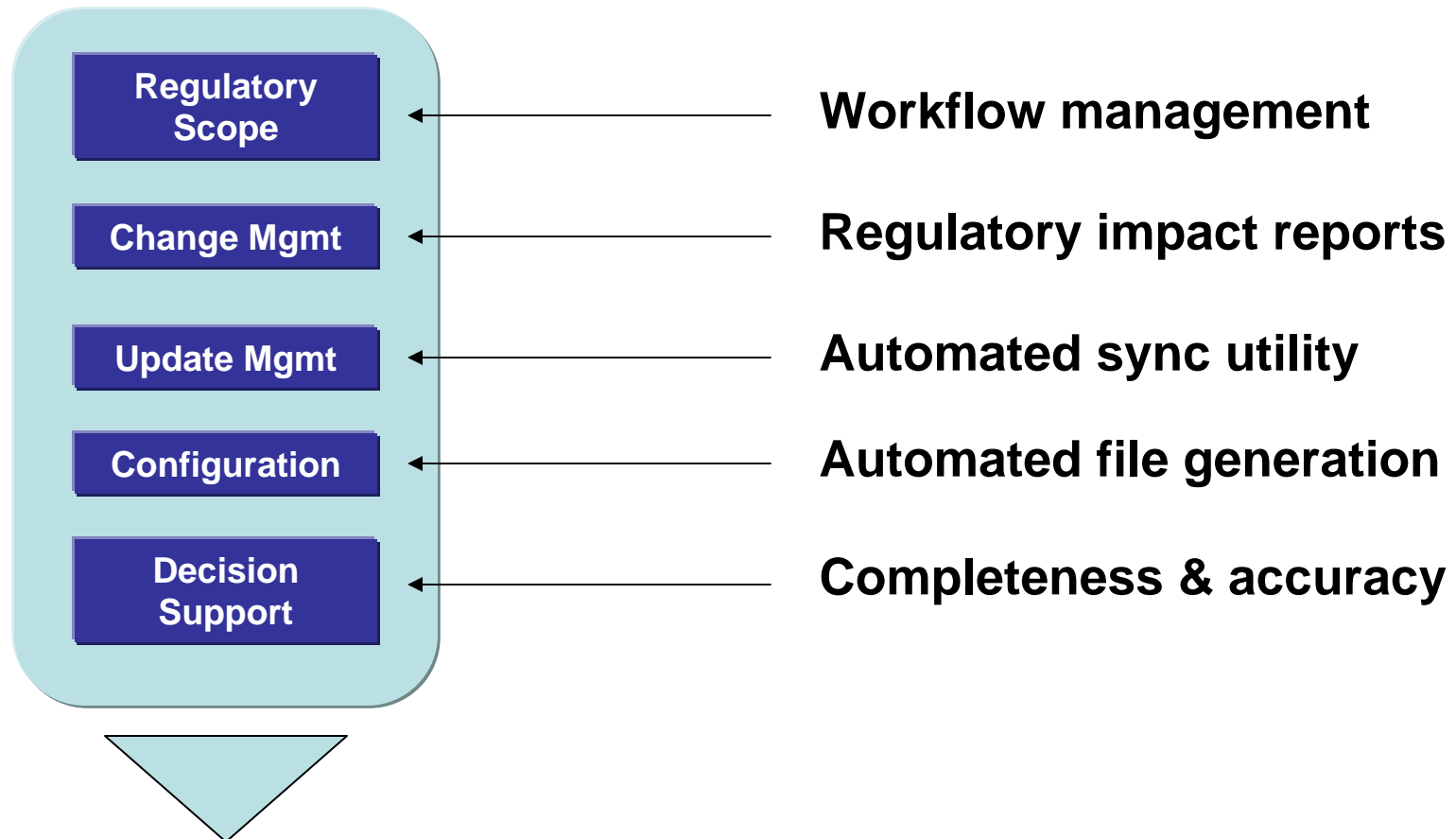
- Single data repository and referential integrity
  - Single regulatory database
    - Up to date
    - Single source
    - Transparent content collection processes
- Tools for reviewing, selecting and loading regulatory content
- Rules based document creation and shipment checks
  - Use of consistent document templates
  - Consistent application of rules for hazard evaluation and content population
- Out of the box templates and phrase libraries

# Central Content Repository



- Regulatory data management - part of your overall master data management plan
  - Maintain a single regulatory content repository through your entire organization
  - Make sure your single regulatory content repository is
    - Up-to-date
    - Accurate
  - ...i.e. Know your Content Supply Chain

# Regulatory Tools

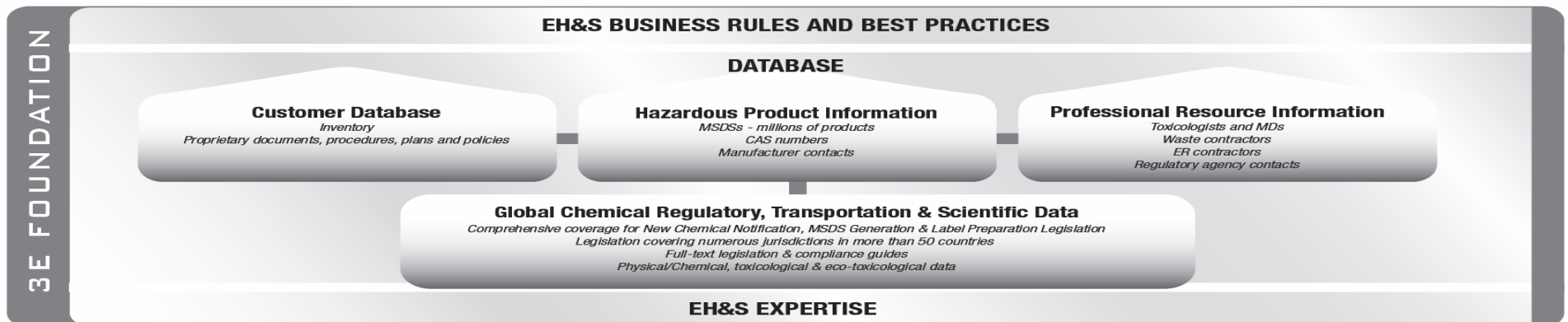


**Quality, Accurate, Up-to-date Content**

# Inventory is Key



- Having visibility and control of chemical inventory is critical to EHS compliance
- Using MSDS management as a lever to manage inventory is a best practice
  - Product constituent information
  - Incident response
  - Employee hazard communication
  - Product stewardship tool



# Global MSDS Management



- Successful multilingual MSDS management
  - Multiple formats
  - Multiple languages
  - Ease of use
    - Simple to train
    - Simple to use

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EH&S INFORMATION & COMPLIANCE SERVICES

3E Onli

Willkommen

Benutzername

Kennwort

Anmeldung

Mindestanforderungen

English

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# Global MSDS Management



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(M)SDS

(M)SDS

Suchen nach

Produktname enthält

Zu verwendende Sprache

Deutsch

Deutsch

Englisch

Spanisch

Französisch

Französisch (Kanada)

Italienisch

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Expose as many language options as possible to allow employee's to access information in a format that they are most comfortable with

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# Importance of MSDS Data



- Each country maintains its own MSDS requirements
- Products/Chemicals are manufactured by the same materials in the US as in other parts of the world
  - Acquire MSDS for the country where the product is stored
  - Transcribing a MSDS from one language/format has to be overseen by knowledgeable compliance professionals
- Display the appropriate product information by country to ensure safety program is compliant
  - Ensure employees are aware of the appropriate hazards
  - Understand regulatory impact on products by country



# Global MSDS Management



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Links 3E Online - Beta 3E Online - Production

Address http://www.3eonline.com/eeeOnlinePortal/DesktopDefault.aspx?tabid=72&id=3Np%2fAgCdtcausnddrgSzodcgH5E5MidK2ix5dvbKTUoMhvxxvRnwXpVhk3pxdxDO4zTPwBKD4W6JdwAFr Go

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Home (M)SDS Product Catalog Inventory Chemical Analysis **RegImpact** Admin Help

RegImpact > Regulatory Analysis Matrix > Regulation Analysis By Location

Global Inventories - All locations Items per page: 15

Location Name	MF_LST	TSCA	TSYN	DSL	NDSL	EU_LST	EINECS	ELINCS	ENLP	SUI_INV	AUSTR	CHINA	ENCS_ALL	ENCS_LST	JCAT	JCL1_LST	JCL2_LST
France																	
Lyon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Paris	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Germany																	
Cologne																	
Dusseldorf	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Munich																	
United Kingdom																	
London																	
Production																	
R&D Lab																	
Warehouse																	

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(12 items)

Please note that this information is based on the CAS information provided on the MSDS. If the CAS RN is not listed on the MSDS the chemical will not appear in the results.

All CAS RN listed on the MSDS are on the list.
  Some of the CAS RN listed on the MSDS are on the list.
  No CAS RN listed on the MSDS are on the list.

# Summary and Key Learnings



- Increased visibility and complexity of EH&S
  - Globalization initiatives present an ever greater challenge for standardization
- Proactive risk management and application of EH&S content and tools
  - Can lead to efficiencies throughout the organization

# Quality EH&S Program



- Standardized and streamlined processes:
  - Consistent application of logic via automation
  - Quality, up-to-date content

Results in:

Consistent and Quality EH&S Program

Thank you for your attention!

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