



# **3E: A Trusted Industry Resource for GHS Support**

**Tony Harris, 3E Solutions Engineer**

**December 5, 2011**

## 3E Serves as a Trusted Industry Resource for GHS



- 3E's GHS Experts are Delivering Expertise around the World
- 3E Makes its Expertise Available to the Industry
  - Web Seminars
- 3E's GHS Expertise has been Recognized by the Industry
  - Published Articles
  - Awards
- 3E's GHS Support is Proven in the Field
- 3E Offers a Wide Range of GHS Solutions to Help You Stay Ahead of the Curve

# 3E's Sought After Experts Speak on GHS Around the Globe



## 3E Industry Conference GHS Speaking Engagements

Date	Conference	Title
10/14/11	RILA's Environmental Sustainability Conference	Global Harmonization and ORM-D Regulation
9/30/11	SONAR's Annual Safety Healthcare Conference	GHS The Next Step in HCS Evolution
8/29/11	AHMP Annual Conference	Classifications, Labeling & Packaging (CLP) Regulatory Compliance
5/26/11	SOCMA Web Seminar	Asia regulatory updates:GHS and REACH development
2/24/11	SOCMA Web Seminar	Classifications, Labeling & Packaging (CLP) Regulatory Compliance: Challenges and Solutions
2/11/11	Are your Reagent Management Processes and Tools ready for GHS?	Next Level 2011
11/24/10	Chemical Supply Conference	Chemical Supply Chain Conference
10/12/10	DGM Thailand	Authoring GHS compliant MSDSs
9/28/10	EEl Fall OH&S Committee Meeting	What's New in Equipment: GHS & TSCA
5/18/10	ASUG Annual Conference	Leveraging tools and content for efficient GHS compliance management in SAP EH&S - A case study together with DuPont
5/12/10	MN Safety and Health	Regulatory Update: The ABCs of GHS, REACH and More
4/27/10	EEl OH&S Conference	GHS
4/21/10	ASUG	Latest Changes in Global Regulatory Requirements and Their Impact on SAP EH&S
4/14/10	REACH 2010	CLP & REACH: The Changing landscape of Chemical Classification
3/9/10	Southwest Chapter of ASSE	Effects of Global Harmonization on Hazcom Programs
2/25/10	SOCMA Web Seminar	Global GHS: Current Status and Challenges

# 3E GHS Recognition and Resources



## 3E GHS Web Seminar Presentations

Topic
GHS, OSHA, and Product Stewardship for Upstream Manufacturers
GHS Transition Guidance for the Workplace
Is your MSDS Management System ready for GHS?
Global Regulatory Overview - CLP, GHS, and REACH
MSDS Authoring-Challenges and Solutions: Quality, Productivity, and Value in the Age of GHS, REACH, TSCA Reform
Global GHS: Current Status and Challenges

## Sample of 3E Authored GHS Articles Published in the Trade Press









Date	Publication	Title
9/1/11	ISHN	Get Ready for GHS
1/1/10	OHS Magazine	OSHA, GHS, and your MSDSs and Labels
11/13/09	EH&S Today	GHS: What you need to know
4/9/09	ASUG EH&S SIG Newsletter	Solutions for GHS - What you need to know
2/6/08	ASUG EH&S SIG Newsletter	Understanding the Impact of GHS

## GHS Award Recognition

2010	EBJ Business Achievement Award	MSDgen's GHS support
2009	EBJ Business Achievement Award	Ariel WebInsight's GHS capabilities and Ariel GHS Rules for SAP EH&S

# 3E's GHS Support in Action: Selected GHS Case Studies



Company	GHS Challenge	3E GHS Solutions
	<ul style="list-style-type: none"> <li>Determine status of GHS deployment in the company's markets around the globe</li> </ul>	<ul style="list-style-type: none"> <li>Ariel WebInsight</li> </ul>
	<ul style="list-style-type: none"> <li>Integrate vendor MSDS management with MSDS authoring, allowing for data sharing</li> <li>Streamline the development of GHS compliant hazard communication documentation and management of vendor sourced raw material MSDSs</li> </ul>	<ul style="list-style-type: none"> <li>3E Integrated MSDS Data for MSDgen</li> <li>3E Online-MSDS</li> <li>WebInsight</li> <li>MSDgen</li> </ul>
	<ul style="list-style-type: none"> <li>Produce new SDSs for worldwide product line that conform with GHS</li> <li>Modify existing SDSs to comply with GHS</li> <li>Proactively address GHS compliance</li> </ul>	<ul style="list-style-type: none"> <li>3E MSDS Authoring Services</li> </ul>
	<ul style="list-style-type: none"> <li>Monitor and keep up with GHS implementations around the world</li> <li>Optimize authoring of GHS compliant MSDSs</li> <li>Ensure overall compliance with GHS</li> </ul>	<ul style="list-style-type: none"> <li>Ariel Content for SAP EHS</li> <li>Ariel WebInsight</li> <li>3E MSDS Authoring Services</li> </ul>
	<ul style="list-style-type: none"> <li>Optimize MSDS authoring platform and process for GHS</li> </ul>	<ul style="list-style-type: none"> <li>MSDgen MSDS Authoring System</li> </ul>
	<ul style="list-style-type: none"> <li>Globalize SDS authoring strategy for GHS</li> <li>Keep up with GHS driven changes</li> </ul>	<ul style="list-style-type: none"> <li>3E MSDS Authoring services</li> </ul>
	<ul style="list-style-type: none"> <li>Manage compliance requirements and tasks for both own products and for Vendor MSDS management</li> </ul>	<ul style="list-style-type: none"> <li>Ariel Web Insight</li> <li>3E Online -MSDS</li> </ul>
	<ul style="list-style-type: none"> <li>Update documents to conform with CLP</li> </ul>	<ul style="list-style-type: none"> <li>3E MSDS Authoring Services</li> </ul>

## 3E's GHS Support in Action: Selected GHS Testimonials



"[3E] dramatically streamlines the development of hazard communication documentation and management of vendor sourced raw material MSDSs, and [helps] promote compliance with emerging regulatory requirements such as the Global Harmonized System (GHS)."  
- **Bernard Henn**, *Corporate Product Stewardship Manager, Spartech Corporation*

"All the information that we need is available at-a-glance. I especially appreciate the GHS comparison chart that displays exact GHS deployment. I refer to such tables on a regular basis and find them to be extremely valuable."  
- **Carina Fogelberg**, *Product Safety Manager, Perstorp*

"We have relied on 3E Company throughout this entire process to help us understand the GHS framework, along with how the requirements will convey, and what level of information we will need to have in our MSDSs ... As a result of our aggressive efforts to understand and prepare for GHS, we are confident that we are well prepared to comply."  
- **Jim Fear**, *Manager, Corporate Toxicology & Occupational Health, Novelis Corporation*

"With GHS and REACH looming, we knew that our MSDS processes had to be improved and tightened up. MSDgen gave us the platform to not only improve the quality of our MSDS data, but also to manage the process of generating and distributing MSDSs."  
- **Kelvin Roth**, *Corporate Manager, Environment, Health & Safety, AMCOL International*

# 3E GHS Solutions to Stay Ahead of the Curve



## **Ariel WebInsight Online Regulatory Reference Tool**

- Provides quick access to:
  - Official GHS Classifications
  - GHS Full Text Regulations
  - GHS Status Updates
  - GHS Mixture Classification Rules and Label Generation

## **Ariel Data and Integrated Content**

- Provides regulatory data feed into corporate platforms with:
  - GHS Classifications
  - GHS Classification and Labeling Rules
  - GHS Rules and Templates for MSDS Preparation
  - Multi-Lingual GHS Phrases
  - Automatic Assignment of GHS Classifications by Country Adaptations

## **ADM-EHSAP**

- Data management solution for SAP EHS users offers:
  - Access to GHS Classification and Labeling Data

## **3E MSDS Authoring and Professional Services**

- GHS Classifications of Substances and Mixtures
- GHS Compliant MSDS and Label Authoring

# 3E GHS Solutions to Stay Ahead of the Curve (continued)



## MSDgen MSDS Authoring System

- Automatic computation of GHS classification for any product based on formulation
- Expert rules automatically assign phrase content in 40+ languages to MSDSs and labels based on GHS classification
- Country specific GHS adaptations for each country/authority adaptation and MSDS and label formats

## 3E MSDS Distribution

- Distribute GHS formatted MSDSs to Channels, Customers, and Consumers

## 3E-Online Vendor MSDS Management System

- Search, Print, View, and Email GHS Compliant Vendor / Raw Material MSDSs

## GHS Training

- Offered for companies needing additional assistance learning about and conforming to GHS.



*Thank you! For more information, please  
contact us at 800.360.3220 or  
[Info@3ECompany.com](mailto:Info@3ECompany.com)*