Defense Supply Center Richmond

2009 Environment, Energy & Sustainability Symposium & Exhibition

Evolving the Hazardous Materials Information System (HMIRS) for Tomorrow's HAZMAT Challenges

Linwood Gilman
DSCR

DLA's Aviation Supply & Demand Chain Manager
**Evolving the Hazardous Materials Information System (HMIRS)**

Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 4-7 May 2009 in Denver, CO.
Hazardous Materials Information Resource System (HMIRS)

• Authority – DoDI 6050.05
  • DLA Appointed Lead Component

• DSCR – Functional Manager

• DLIS – Program Manager

• Designated by BTA as Authoritative Source for MSDSs
Present Efforts/Issues

- Globally Harmonized System (GHS)
- Extensible Mark-up Language (XML) Schema for Fully Structured MSDS
- Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Evolution to Hazmat Business Process Review (BPR) Requirements
GHS Issues

• OSHA Still Needs to Impact U.S. HAZCOM Standard
• Primary Differences of GHS
  • Hazard Determination Methodology
  • Standard Format for Data
  • Use of Pictograms
• Implementation Options Permitted
REACH

• Uses GHS as a Baseline with Major Additional Requirements
  • Shifts Burden of Hazard Evaluations to Manufacturers

• Specific Use Scenarios Part of SDS
  • User to Ensure Use Consistent with Use Scenarios

• Implementation Just Beginning
Changes to HMIRS to Accommodate GHS/REACH

• Accommodates ESOH Pictograms
• Will Place MFR’s Use Data in Value-Added
• Hazard Assessment Data in Value Added
DLA's Aviation Supply & Demand Chain Manager

DOD HAZMAT Business Process Review (BPR)

- OSD (BEI) Leads Effort
  - Representation from Military Departments & DLA

- Major Consideration: Standardized
  - Data Elements (Definitions & Properties)
  - Process Using HAZMAT

- Accommodate Business Enterprise Solutions
XML Project for MSDS

• Evolution from EDI standards
• DLA Initiated Project under United Nations Center for Trade Facilitation & Electronic Business (UN/CEFACT)
• Develop International MSDS (SDS) Data Schema
• Facilitate Electronic Exchange of Data (Fully Structured) between Trading Partners
XML Project Status/Future

- Initial UN/CEFACT MSDS XML Schema Approved Mar 09
- Presently Researching Implementation Efforts
  - Basic Schema Silent on Field Lengths
- Looking at Implementation Version of Schema
- Working with U.S. Industry Players
Questions?