Hazardous Materials Information System

H MIS
Hazardous Materials Information System

Patricia Cowin
DoD IH Forum
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HMIS Overview

Material Safety Data Sheets

- Product ID
- NSN
- Responsible Party
- Emergency Phone 
- Chemicals
- Safety & Health
- HAZCOM Labels

Printable Hazcom Warning Labels

Web Access

HTTP://WWW.DLIS.DLA.MIL/HMIS/
HMIS Statistics

- Product Records: 265,000
- Transportation Only Records: 11,000
- Web Users: 1,800+
- CD ROM: 10,000 sets per quarter
- Downstream System Feeds: 3
HMIS REDESIGN

- Requirement to redesign HMIS
  - Minimize re-keying of data
  - Maintain the manufacturer’s MSDS
  - Timely user access via Internet/CD/System feeds
  - Use best industry practices
- Selected DLA System Integration Office as Information Technology (IT) partner
- Selected American Management Systems (AMS) as data integrator using ProSteward™ COTS software
Key Features:

- Electronic MSDS submittals from www
- Document and image management
- eXtensible Markup Language (XML)-based data transfer
- Foreign language MSDS
- Customizable MSDS lists
- 508 compliance
- C2 security accreditation
Streamlining MSDS submittals

- Manufacturer MSDS submission
  - Provide manufacturers with central location to respond to MSDS requests
  - Support multiple formats to provide flexibility to manufacturers
  - Enable manufactures to enter primary index data required for the MSDS
  - Provide manufacturers with status of their MSDS submission
Electronic MSDS Submittals

CONTACT INFORMATION
Name: 
Company: 
Phone: 
E-Mail: 

DOCUMENT INFORMATION
Language: 
Proprietary: 
* Format: 
* Document Type: MSDS
* File Name: 

MSDS SUBMITTAL INFORMATION
* Company Code (CAGE): 
* Product Identity: 
Trade Name: 
Part Number: 
Stock Number: 
Contract Number: 
Service/Agency: 
Comments:

(* = mandatory)
Streamlining MSDS submittals (cont’d)

- Sub-Focal Point/HAZMAT cell submission
  - Expand ability to enter initial MSDSs beyond Focal Points
  - Facilitate increase in local stock submittals
  - Provide data integrity checks to insure complete submittals and to reduce MSDS redundancies
  - Support reduction in time to complete product records, increasing availability of data to downstream systems.
MSDS Submittal Web Site

- Supplier Web Site
- Security - Authentication
- Notifications
- Data Map & Load

Online Database
- Data
- XML Document

System Interfaces

XML
- Data
- MSDS
- TRADENAME
- CAS
- ACUTE?
- OEL
- LABEL
- ETC ...
Benefits

- Eliminate manual data entry tasks and time associated with handling of paper submissions
- Make MSDSs immediately available for access by system users and downstream systems
- Provide streamlined process resulting in availability of more MSDSs (LSN&NSN) across the services/agencies.
HMIRS Solution Overview

Internet

Supplier Web Page

Online WEB

OnlineADMIN

OnlineCDROM

AMS/Shell ProSteward™

Interfaces

HMIRS Data Repository
- Document Repository
- Preferred Lists
- Value-Added Data

Processes
Introducing XML

- XML - Extensible Markup Language - Subset of Standard Generalized Markup Language (SGML) – Industry-specific standards are being developed
- DTD – Data Type Definition – Definition of the tag scheme used to identify separate data elements in the XML
- XSL – Style sheets that govern the display of the document over the web
DoD’s XML Initiative

- Establish DTD for MSDS
  - Work with industry groups – PIDX, CIDX
- Create free-ware for small suppliers to generate XML documents
- Develop XSL to display MSDS in ANSI format
- Incorporate XML supplier home page feature into HMIS to receive XML data
BENEFITS OF XML MSDS

- Standardized data format and MSDS data elements
- System to system exchange of MSDS
  - Improves quality and accuracy of MSDS
  - Reduces processing costs by eliminating rekeying of complex documents
- HMIS obtain data it needs with minimal need for follow up to MSDS submitters
HMIRS Schedule

Phase 1 - Implementation Planning
(10/30/00 – 1/31/01)

Phase 2 - Design
(2/1/01 – 5/11/01)

Phase 3 - Development
(5/14/01 – 1/15/02)

Phase 4 - Deployment
(1/16/02 – 4/26/02)
HMIRS Contacts

- HMIS CD-ROM distribution
  - contact by Service/Agency
- HMIS Home Page & Service/Agency Representatives
  - www.dlis.dla.mil/hmis
- HMIS Questions
  - hmis@dlis.dla.mil
# HMIRS Contacts

## HMIRS POCs

<table>
<thead>
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<th>NAME</th>
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<th>FAX</th>
<th>E:MAIL</th>
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Summary

- Create, obtain, manage and integrate hazardous materials/product information from a variety of sources for dissemination as user-friendly information ......

- Work with industry to capture best business practices
## The HMIS User Community

### Supports DoD and Federal Agencies

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