Chemical Risk Management in Japan

Purpose: Information
Submitted by: Japan
Chemical Risk Management in Japan

IT Tool for Risk Assessment from JCIA

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August 25, 2015
Promoting “Risk-Based” chemical management requires a high degree of expertise and significant efforts to gather relevant chemical safety information and to carry out scientific risk assessments. However, except some big chemical manufacturers, there should not be sufficient resources available for these tasks and it is very costly. JCIA was fully aware of this issue and came up with an idea to develop a new & user-friendly tool.
JCIA BIGDr – To Promote GPS/JIPS in Japan

Create a new portal system for supporting JCIA member companies to implement GPS in Japan.

JCIA BIGDr: Base of Information Gathering, sharing & Disseminating for Risk management of chemical products
JCIA BIGDr – Original Concept for New Portal

How to proceed GPS?
- Information Exchange page
- Integrated DB Linkage Portal (Hazard, Exposure)

Helpdesk
- Risk Assessment Tool & operation guide
- Support for preparation of safety summaries
- Best Practice Example of GPS activities

Information to the supply chain
- SDS, RMM, GHS
- MSDSplus, AIS

maintenance
J CIA BIGDr – Five Primary Functions

**Block-1**
- How to use BIGDr

**Block-2**
- Hazard info. DBs Portal
- Regulation info. DBs Portal
- Link list

**Block-3**
- Risk assessment & GSS creation tool “GSS Maker”
- RA support contents (Seminar Materials etc.)

**Block-4**
- GSS uploading records of Japanese company
- GPS/JIPS

**Block-5**
- General Info. Gathering “Chemi-maga”

JCIA BIGDr Ver2.3
April, 2015

Helpdesk
## JClA BIGDr – Hazard info. DB Portal

External DB to be referred by JClA BIGDr Ver.2.3

<table>
<thead>
<tr>
<th>DB</th>
<th>Establish</th>
<th>NB</th>
<th>Substance</th>
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<tr>
<td>GHS (Japan)</td>
<td>NITE</td>
<td>Japanese Government (MHLW, METI, MOE)</td>
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<td>GHS (EU)</td>
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<td>EU CLP (Annex VI)</td>
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<td>GHS (Korea)</td>
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<td>Korea GHS Classification</td>
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<td>GPS Chemicals Portal</td>
<td>ICCA</td>
<td>GPS Safety Summary of Japanese Company</td>
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<td>NITE</td>
<td>Hazard, Risk assessment &amp; Regulatory information</td>
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<td>JST</td>
<td>Japan Chemical Substance Dictionary Web service; from literature</td>
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<td>NIES</td>
<td>Use, production volume, exposure, risk assessment and accident</td>
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<td>Component, composition, use and hazard and contact information of chemical products by chemical companies</td>
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<td>MOE</td>
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</table>
Search Results

Example: Formaldehyde (CAS 50-00-0)

【List format】

【Matrix format】

【CHRIP site】

Click here, then it takes you the corresponding site.
JClA BIGDr – GSS Maker

Powerful Interface to ECETOC-TRA

- **Main Unit**
  - Setting parameters, Run button, Display of RC Results by ECETOC TRA

- **GSS Unit**
  - Output of GSS

- **DB Unit**
  - Data table of target substance, Correspondence table RC results and GSS

- Run Risk Characterization by posting parameters to ECETOC TRA
- Extract only necessary result of RC and Create GSS semi-automatically
JCIA BIGDr – Look Up GSS Documents

- Link list of all uploaded GSS of Japanese companies
- Substance Name List and Company Name List
- Update on a monthly
- As of March 2015, 382 GSSs have been recorded
- PDF of GSS opens in one click
JCI A BIGDr – Now & Future

- At present 500 access/day

- Building & Promoting horizontal network via. workshops etc.
  - Not only JCIA's members but also ASEAN countries, SMEs and downstream users etc.

- Japanese unique issue handling (2015-)
  - Industrial Safety and Health law revised
  - Strict duty to carry out worker's RA for designated 640 chemicals from 2016

- Future plan
  - Information sharing functions etc.
  - Targeting quasi-standard RA support system in Japan
  - Expand accessible Global DB and develop BIGDr English Version
Thank you for your attention!