REACH – special subject: communication between companies

What are communication lines within REACH and linked regulation?

Erik Geensen
Quick-SDS
May 14th 2009
Communication in and between companies in REACH
Communication of SDS in the supply chain

Other Suppliers  
Suppliers of substances, mixtures or articles

COMPANY

Employees

Customers of substances, mixtures or articles

Other Suppliers
Main consistencies and relationships in SDS

(1) Section 3, 9, 11, 12 and 15 are included in the SDS Checker Diagnosis Report of Quick-SDS

(2) Section 6 should be linked to sections 8 and 13 in case of necessity

(3) Sections 6, 7, 12, 13, 14, and 15 of the SDS should provide information to prevent environmental consequences

Annex is linked to sections 1, 7, 8 and 12
## REACH: regulatory SDS distribution

<table>
<thead>
<tr>
<th>Regulation EG 1907/2006</th>
<th>Description</th>
<th>Solution in Quick-SDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article 31 – 1</td>
<td>Providing SDS of dangerous substances to customer (proactive)</td>
<td>Sending SDS to customers on initiative of your company</td>
</tr>
<tr>
<td>Article 31 – 8</td>
<td>SDS can be provided electronically or on paper</td>
<td>Quick-SDS can provide SDS in different formats</td>
</tr>
<tr>
<td>Article 31 – 9</td>
<td>Updates of SDS must be provided to customers which ordered the substance in the last 12 months</td>
<td>‘Subscription’ of a customer to SDS during a period of e.g. 12 months via email alert</td>
</tr>
<tr>
<td>Article 35</td>
<td>SDS of substance is available for employees which are exposed to the substance</td>
<td>Access to Quick-SDS database for employees of your company</td>
</tr>
<tr>
<td>Article 36 – 1</td>
<td>Obligation to save information at least until 10 years after last delivery of the substance</td>
<td>Quick-SDS saves all information on SDS access: ‘to whom is what provided and when?’</td>
</tr>
</tbody>
</table>

REACH is not completely new: SDS distribution is applicable from 1967!!

Quick-SDS was developed long before REACH.
For users of chemical substances: SDS Retriever

- Suppliers with Quick-SDS subscription
- Associated suppliers
- Collecting SDS from all suppliers
- Hosting SDS
- Result: Database with all the actual SDS from suppliers
- Data extraction for actual use
- Your company's IT system
NEW: Communication on usage of a substance

- Suppliers of substances, mixtures or articles
- Employees
- Customers of substances, mixtures or articles
- NVIC (EU 1272/2008)
REACH new Communication

Hazard assessment (HA)
- Hazard classification
- Dose-response characterisation

Chemical Safety Assessment (CSA)
(> 10t/j)

Substance & usage

Hazard

Risk

Exposure level

Exposure assessment (EA)

Exposure scenario (ES)

CSR

RMM

Information obligation
- No dangerous substances (art 32)
- SVHC in articles (art 33)

SDS (art 31)

Extended SDS
## Information in supply chain from downstream users

<table>
<thead>
<tr>
<th>Role</th>
<th>Item</th>
<th>Distribution</th>
<th>Information</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>User</td>
<td>Substance or preparation</td>
<td><strong>Obligatory</strong>: provide information to employee</td>
<td><strong>SDS</strong> standard from supplier or <strong>subtracted</strong> information and self created exposure scenario’s(∗)</td>
<td>Annex with CSR</td>
</tr>
<tr>
<td>User</td>
<td>Substance or preparation</td>
<td><strong>In case of necessity</strong> to employee</td>
<td><strong>SDS</strong> standard from supplier or <strong>subtracted</strong> information and self created exposure scenario’s(∗)</td>
<td>Annex with CSR</td>
</tr>
</tbody>
</table>
| User(∗)                     | Any product with SDS obligation          | **Obligatory**, to supplier (producer or distributor) | 1) New information on hazardous property  
2) information on safety measures from SDS  
3) New use one month before applying (∗) |                              |
| User(∗)                     | Any information for registration         | **Potential help on registration to supplier** | 1) Uses  
2) Safety measures                                          | 12 months                    |
| User (∗∗)                   | Substances with registration obligation on use | **Obligatory** to ECHA | **CSR** including exposure scenario’s                          | 6 months                     |

*(*) Apply information in use within 12 months after registration  
(**) Apply information in use within 6 months after registration
Registration of substances: obligation to work together
Registration of substances: beyond expectations

More than 150,000 different substances (screening on synonyms, articles, mixtures)
More than 2,6 million preregistrations and more than 71,000 companies, which subscribed

Pre-registration experiences

Registration of substances will effect in changes in SDS: additional communication in supply chain

- **pre-SIEF size**

<table>
<thead>
<tr>
<th>Size of pre-SIEF</th>
<th>Number of pre-SIEFs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9</td>
<td>91344</td>
</tr>
<tr>
<td>10-24</td>
<td>35321</td>
</tr>
<tr>
<td>25-49</td>
<td>9810</td>
</tr>
<tr>
<td>50-74</td>
<td>3951</td>
</tr>
<tr>
<td>75-99</td>
<td>2112</td>
</tr>
<tr>
<td>100-199</td>
<td>1825</td>
</tr>
<tr>
<td>200-499</td>
<td>987</td>
</tr>
<tr>
<td>500-999</td>
<td>226</td>
</tr>
<tr>
<td>1000-4999</td>
<td>110</td>
</tr>
<tr>
<td>&gt;5000</td>
<td>2</td>
</tr>
</tbody>
</table>

number of participants in a pre-SIEF
Communication due to EU implementation GHS: CLP

- Other Suppliers
- Suppliers of substances, mixtures or articles
- COMPANY
  - Employees
- Customers of substances, mixtures or articles
- Consumers / consumer organizations
CLP (EU-GHS) timing and rules

► September 2008
  ● Agreement on proposal

► End of 2008
  ● Regulation accepted by EU Parliament and Council of Europe

► Start January 20th 2009
  ● Regulation is valid
  ● Start change over period for substances and preparations (article 58)
  ● Labeling en packaging of substances and preparations according Wms obligatory
  ● classification, labeling en packaging of substances and preparations according EU-GHS admitted

► December 1st 2010
  ● classification, labeling en packaging of substances and preparations according EU-GHS obligatory (article 58.3)
  ● classification, labeling en packaging of substances and preparations according Wms admitted

► June 1st 2015
  ● classification, labeling en packaging of substances and preparations according EU-GHS obligatory
  ● Deletion of old regulation

CLP will effect in changes in SDS:
additional communication in supply chain
CLP: EU implementation of GHS

R-phrases > H-phrases
S-phrases > P-phrases
Example: oral acute toxicities
GHS in the world

activities

preparation

Implementation
Reporting on SVHC and components
**Procedure identification SVHC**

- **EU member states** → **ECHA**
  - First proposal on candidates
  - **List of candidates (16)**
    - **Priorities?**
      - PBT's and vPvBs
      - widely uses
      - high volumes
    - **List annex XIV**
  - **Publication website ECHA**
    - 28/10/2008
  - **Start communication obligation**
  - **Authorisation request for sunset date**

**Procedure is on going process: new candidates are in progress (around 200 substances qualify according rumors)**
Reporting on SVHC: kind of substance and EU

- **Intended release and more than 1 ton/y**
  - **EU supplier**
  - **Non-EU**
    - Registration unless existing registration for that use by EU supplier
    - Registration unless existing registration for that use by OR

- **SVHC > 0.1%**
  - **EU supplier**
  - **Non-EU**
    - Information from EU supplier (EU art 33)
    - Information from non-EU / OR / own tests (EU art 33)
    - Notification, from June 1st 2011, unless existing registration for that use (EU art 7.2)
# Reporting on SVHC and components

<table>
<thead>
<tr>
<th>Role</th>
<th>Item</th>
<th>Distribution</th>
<th>Information</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Producer / Importer</td>
<td>Substances SVHC in Articles (Professional) with more than 0.1% weight</td>
<td>Obligatory</td>
<td>1) Name</td>
<td>45 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2) Safe use</td>
<td></td>
</tr>
<tr>
<td>Producer / Importer</td>
<td>Consumer product including substance or preparation</td>
<td>On demand to distributor or customer</td>
<td>1) Name</td>
<td>45 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2) Safe use</td>
<td></td>
</tr>
<tr>
<td>Producer / Importer</td>
<td>Any substance or preparation</td>
<td>Obligatory, to supplier (producer or distributor)</td>
<td>1) New information on hazardous property</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2) information on safety measures from SDS</td>
<td></td>
</tr>
<tr>
<td>User</td>
<td>Consumer product including dangerous substance or preparation</td>
<td>On demand to distributor, customer or consumer</td>
<td>1) Name</td>
<td>45 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2) Safe use</td>
<td></td>
</tr>
</tbody>
</table>

Some companies have other regulation as well: detergents, reporting to consumers on ingredients
Communication to NVIC and audits / inspections
Reporting for medical usage: NVIC

**NVIC**
- EU regulation 1272/2008 is defining national institute for information on dangerous substances for professional medical use
- Focus on prevention and cure
- In the Netherlands NVIC (‘Nationaal Vergiftigingen Informatie Centrum’) is responsible for collecting data
- Companies have to report to NVIC
  - SDS
  - Additional information such as specification of ingredients / components

**INSPECTIONS**
- In the Netherlands different inspections are working together: VROM inspection, Labour inspection (‘Arbeids inspectie’) and Food / goods inspection (‘Voedsel en Waren autoriteit’) organize joint inspections

Communication in and between companies in REACH

COMPANY

Other Suppliers

Suppliers of substances, mixtures or articles

Auditors / inspections

Employees

Branch companies

NVIC (EU 1272/2008)

Consumers / consumer organizations

Customers of substances, mixtures or articles

Suppliers of substances, mixtures or articles

Branch companies

NVIC (EU 1272/2008)

Consumers / consumer organizations

Employees

Auditors / inspections

Other Suppliers

Suppliers of substances, mixtures or articles