



**Cefic process for supply chain communication
and ES development**
REACH in der Praxis
29 June Berlin



cefic

L. Heezen

Content

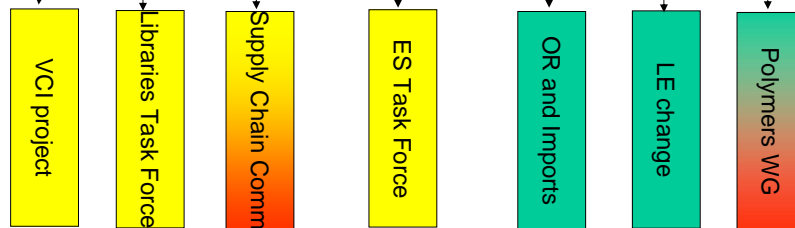


- **Cefic REACH organisation**
- **ES working group, status activities**
- **Supply chain communication model**
- **Cefic ES development processes**
- **Available tools**
- **Other CSR related activities**

Cefic REACH registration structure



Registration Working Group



| | | | |
|----------|------------|----------------|------|
| Guidance | Mapping | Flow Diagram | DPD+ |
| CSR | GES | SES template | SCC |
| eSDS | Management | Holding letter | CSAT |

ES TF - Deliverables



| Deliverable | Content | Status |
|----------------------------|--|--|
| Process for developing GES | The guidance document describes the process for developing Generic Exposure Scenarios, looking at contributions from M/I as well as from downstream users. This is based on experiences with solvents and is being generalised to reflect wider application. | GES guidance circulating for comments. Publication expected early July |

ES TF - Deliverables

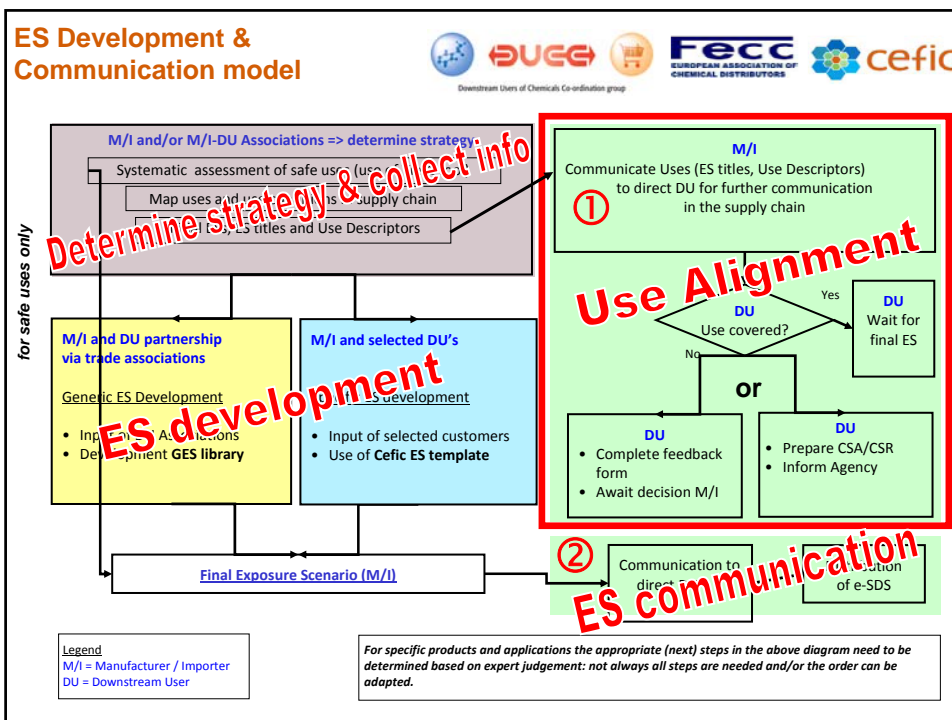


| Deliverable | Content | Status |
|--|---|--|
| GES Library | To define the requirements for a library of generic exposure scenarios covering the key supply chains. | Participation in Cefic Libraries Task Force Template definition with ECHA for CSAT |
| Standardised Phrases | To define the requirements for the development of standardised phrases. | Participation in Cefic Libraries Task Force; cooperation with BU/BDI standard phrases group under development |
| Strictly Controlled Conditions for Intermediates | To provide recommended guidance for the confirmation of SCC for onsite isolated and transported intermediates In cooperation with Concawe and EFCG | Guidance published on Cefic website |
| DPD Plus methodology for Preparations | Practical guidance for developing ES for preparations, in close cooperation with DU organisations | Published as Cefic Guidance; examples under development in VCI Practical Guide Project In parallel guidance being tested as part of joint ECHA/Cefic SDS project. |


ES TF – Deliverables



| Deliverable | Content | Status |
|--|--|---|
| Provide support to Cefic reps on the ECHA CSA IT Tool consultation group | Providing comments on documentation /proposals received. | Participation in ECHA CSAT working sessions Discussion with ECHA on GES template for CSA T Participation in CSAT consultation document review |



Communication IT tool



Cefic has developed a 'requirements' document for communication IT tool (to be build by internal/external IT provider)

Characteristics IT tool:

- Tool is web-based
- Communication between Suppliers and direct Customers
- Suppliers will feed tool with relevant use information
- Customers will be able to download information to pass it on down the supply chain
- DU can give feedback using standardized form (as shown)
- IT requirements document available on Cefic Website

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Phase 1
Screen 1 Layout



| Product name | Input deadline | | Status |
|--------------|----------------|-------------------------------|--------|
| Product 1 | 1-Dec-09 | View Use info | |
| Product 2 | TBA | TBA | |
| Product 3 | Not Required | ES not required | |
| Product 4 | 1-Dec-09 | View Use info | |

Press here to **download the Use information** for all above products and associated material codes/names in an XML format [Button](#)

Press here to **view all the Use information** sent to the supplier [Button](#)

Press here to **inform supplier** of unlisted products [Button](#)

Note: 'Status' entries in the table are set by Customers manually to track their progress in reviewing the information provided. Options by a pull-down menu:
 Complete – no feedback
 Complete – feedback provided
 in-progress

Phase 1
Screen 2 Layout



It is our intention to include Exposure Scenarios for uses in the table below (subject to demonstration of safe use in the CSA) in the Registration dossier for the respective products

If [your Use is covered](#) by the provided ES identifiers, there is no need to take action. You will be provided with an ES when it is available.

If your [Use is not included](#) in the table and you wish to make it known to your Supplier, please use this form: [Button](#)

Product name: Product1

Feedback deadline: 1-Dec-09

| Use identifier | |
|---|--|
| ES Title | Use descriptors |
| Formulation & packing of solvent-based mixtures | [SU3] Industrial Manufacturing (all) [PROC2] Use in closed, continuous process with occasional controlled exposure (e.g. sampling). Industrial setting [PROC3] Use in closed batch process (synthesis or formulation). Industrial setting [ERC 2] Formulation of preparations |
| Coatings | [SU3] Industrial Manufacturing (all) [PROC7] Spraying in industrial settings and applications. Industrial setting; [ERC 7] Industrial use of substances in closed systems |

Phase 1
Screen 3 Layout for Customer Input



Product name: Product1

In the 'Process and Activities' text box you can provide Exposure related information, e.g. how you commonly describe the activities you undertake. Additionally, please select the applicable Use descriptors as defined in the REACH Technical Guidance ([link](#), R12&R16).

| | |
|--------------------------------|-------------------------------|
| Process and activities | [free text box] |
| Sector of Use (if relevant) | [select SUs from drop-down] |
| Process category | [select PROCs from drop-down] |
| Product category | [select PCs from drop-down] |
| Article category (if relevant) | [select ACs from drop-down] |
| Environmental Release Category | [select ERCs from drop-down] |
| submit to supplier | |



Phase 2
Screen Layout



It is our intention to Register the supported Product Uses included in the table with the respective Exposure Scenario.

You will be provided with an updated SDS with an annex on ESs as soon as it is available.

Product name: Product1

| Use identifier | | ES |
|---|--|---|
| ES Title | Use descriptors | |
| Formulation & packing of solvent-based mixtures | [SU3] Industrial Manufacturing (all) [PROC2] Use in closed, continuous process with occasional controlled exposure (e.g. sampling). Industrial setting [PROC3] Use in closed batch process (synthesis or formulation). Industrial setting [ERC 2] Formulation of preparations |  |
| Coatings | [SU3] Industrial Manufacturing (all) [PROC7] Spraying in industrial settings and applications. Industrial setting; [ERC 7] Industrial use of substances in closed systems |  |

Cefic ES development processes



| Generic ES approach | Specific ES approach |
|---|---|
| Main Focus | Main Focus |
| M/I and DU Partnership via Trade Associations | M/I and Key customer iteration |
| Common Uses, e.g. commodity chemicals | Specialised Uses, e.g. fine chemicals |
| Dispersive application | Limited supply chain |
| Assumes some knowledge of substance handling by M/I | May have limited knowledge of substance handling in the supply chain by M/I |
| Groups of substances with similar applications | Single substance with specific or general applications |

How is GES developed?

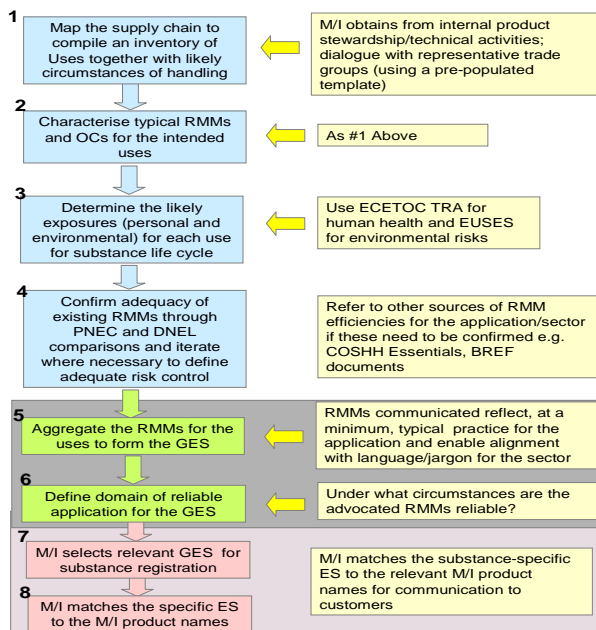


Table 1: Mapping the Supply Chain



| Table 1: Mapping Uses in the Supply Chain | | | | |
|--|---|--|--|---|
| Sector/User Group | Contributing Scenarios | Typical Mapped Operating Conditions | Typical Mapped RMMs | Process Category / TRA equivalent |
| Process Solvent & Extraction Agents | | | | |
| Industrial (SU3) | General process exposures / enclosed cleaning systems | Continuous; daily; 15 mins - 1 hour | Enclosed process; External location; closed/semi-closed sampling point | PROC2 / TRA2 Closed continuous process (with sampling) |
| Industrial (SU3) | General process exposures and sample collection | Batch; daily during production; 15 mins - 1 hour | Enclosed process; External location; closed/semi-closed sampling point | PROC3 / TRA3 Closed batch process (with sampling) |
| Industrial (SU3) | Draining equipment | Weekly; 15min - 1 hour; ambient temp | External location; Drain and flush, Permit to Work procedures, PPE | PROC8 / TRA7 Discharging to/from vessels |
| Industrial (SU3) | Quality control | Daily; <15 mins; ambient temp | Fume cupboard, PPE | PROC15 / TRA13 Laboratory analysis |
| Cleaning agents | | | | |
| Industrial (SU3) | Enclosed cleaning systems | Batch process; daily; 1 - 4 hours; ambient temp | Closed system | PROC1 / TRA1 Closed process (no sampling) |
| Industrial (SU3) | Filling / preparation of equipment from drums | Daily; 15 mins - 1 hour; ambient temp | Pumped transfer from drum to application equipment | PROC8 / TRA7 Discharging to/from vessels |
| Industrial (SU3) | Spraying | Daily; >4 hours; ambient temp | Enclosed plant under ventilation. Collection and containment of waste. | PROC7 / TRA6 Spray application with LEV |

M/I describes life cycle and identifies relevant OCs, RMMs and PROCs. Consumer uses (PCs) and environmental releases described in separate tables.

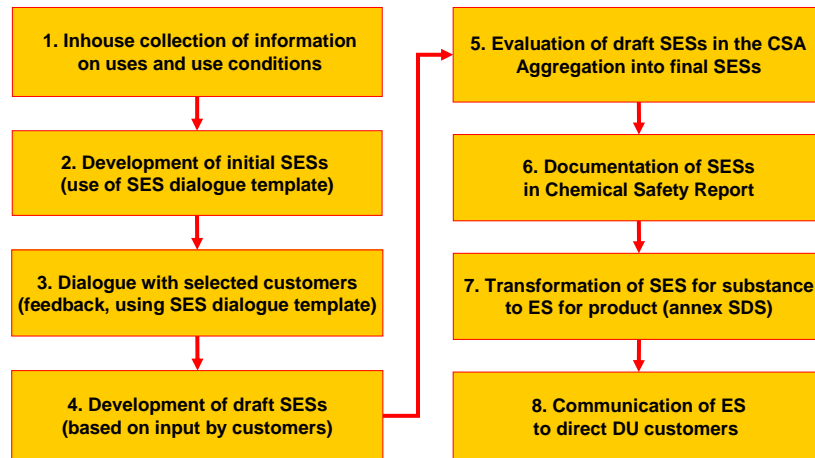
Table 2: characterization of risk

| Table 1: Mapping Uses in the Supply Chain | | Table 2: Characterising the Risks - example Tier 1 scenario | | | | DNEL >100 ppm | |
|---|---|---|---|--|------------------------------|--|---|
| Sector/User Group | Process Category / TRA equivalent | Tier 1 assumptions and adjustments where required | | Predicted Exposure - ECETOC TRA estimate | | RMMs for communication - Consolidate into GES or e-SDS (Black text REACH advised; Blue text recommended) | RMM Codes for communication (Black text REACH advised; Blue text recommended) |
| | | OCs (red text Tier 1 adjustments) | RMMs (red text additional Tier 1 adjustments) | Moderate Volatility (ppm) | Significant Dermal exposure? | | |
| Cleaning agents | | | | | | | |
| Industrial (SU3) | PROC1 / TRA1 Closed process (no sampling) | >4 hours, ambient temp. | Closed process. No exposure. | 0.01 | No | Skin and eye protection | PPE16 |
| Industrial (SU3) | PROC8 / TRA7 Discharging to/from vessels | > 4 hours daily; ambient temp. | No LEV | 50 | Yes | Pumped transfer from drum to application equipment. Gloves | E49, PPE15 |
| Industrial (SU3) | PROC7 / TRA6 Spray application with LEV | > 4 hours daily; ambient temp. | With LEV | 50 | Yes | Enclosed plant under ventilation. Collection and containment of waste. Gloves | E47, ENV3, PPE15 |
| Industrial (SU3) | PROC13 / TRA11 Treatment by dipping/pouring | > 4 hours daily; ambient temp. | With LEV | 50 | Yes | Enclosed plant under ventilation. Collection and containment of waste. Gloves | E47, ENV3, PPE15 |
| Industrial (SU3) | PROC10 / TRA9 Roller application | > 4 hours daily; ambient temp. | No LEV | 20 | Yes | Collection and containment of waste. Gloves | ENV3, PPE15 |
| Professional (SU22) | PROC8 / TRA7 Discharging to/from small equipment | > 4 hours daily; ambient temp. | No LEV | 50 | Yes | Gloves | PPE15 |
| Professional (SU22) | PROC11 / TRA6 Spraying without LEV | > 4 hours daily; ambient temp. | No LEV | 500 | Yes | LEV and/or RPE. Gloves. Eye Protection | E53, PPE16 |
| Professional (SU22) | PROC13 / TRA11 Treatment by dipping/pouring | > 4 hours daily; ambient temp. | No LEV | 100 | Yes | Gloves | PPE15 |

How is SES developed?



SES process: stepwise approach, initiated by M/I in dialogue with DU



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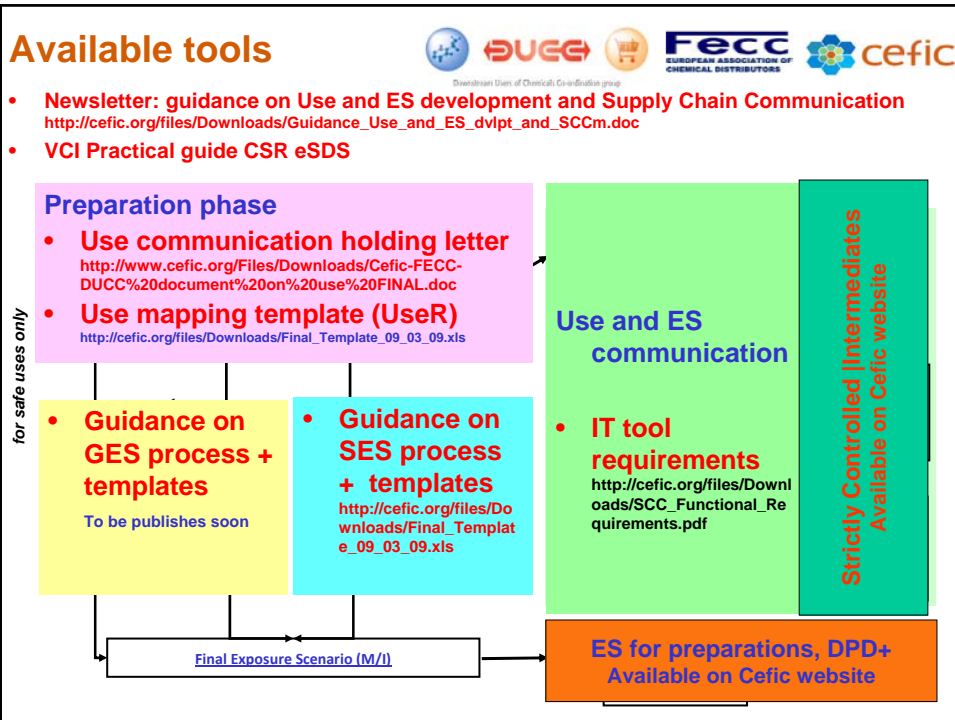
CEFIC dialogue template for SES building




- Enables M/I to develop initial ESs, using a harmonised industry format
- Enables DU to give feedback on uses and use conditions to M/I in a standardized way
- Enables DU to enter new ES, if he finds his use not covered (art. 37-2)
- Structured according to ES format in Technical Guidance Document
- Each section contains the basic information for description of the ES and exposure assessment using the ECETOC TRA tool
- Template will be modified to support final version of the ECETOC TRA tool

| No. | Information item | available options (give explanatory notes) | Proposed ES (to be completed by M) | Deviation from Proposed ES (to be completed by DU) |
|-----|------------------------|--|------------------------------------|--|
| 1.0 | Product identification | | | |
| 1.1 | Product name | | | |
| 1.2 | Category of use | Selection from sheet list | | |
| 1.3 | Product Category(ies) | Selection from sheet list | | |
| 1.4 | Process Category(ies) | Selection from sheet list | | |
| 1.5 | Article Category(ies) | Selection from sheet list | | |

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Cefic REACH website:

<http://www.cefic.org/en/REACH-for-industry.html>

Thank you
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