

Communication on safe use of chemicals in the supply chain – basic principles and next steps

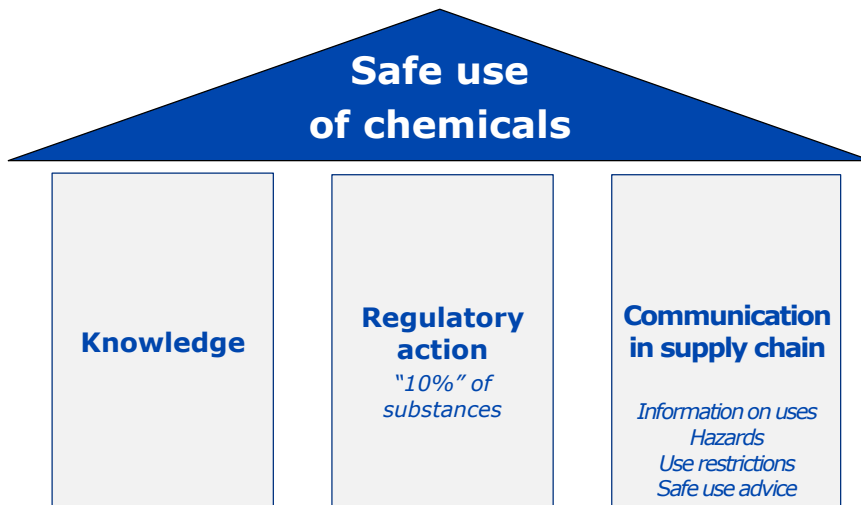
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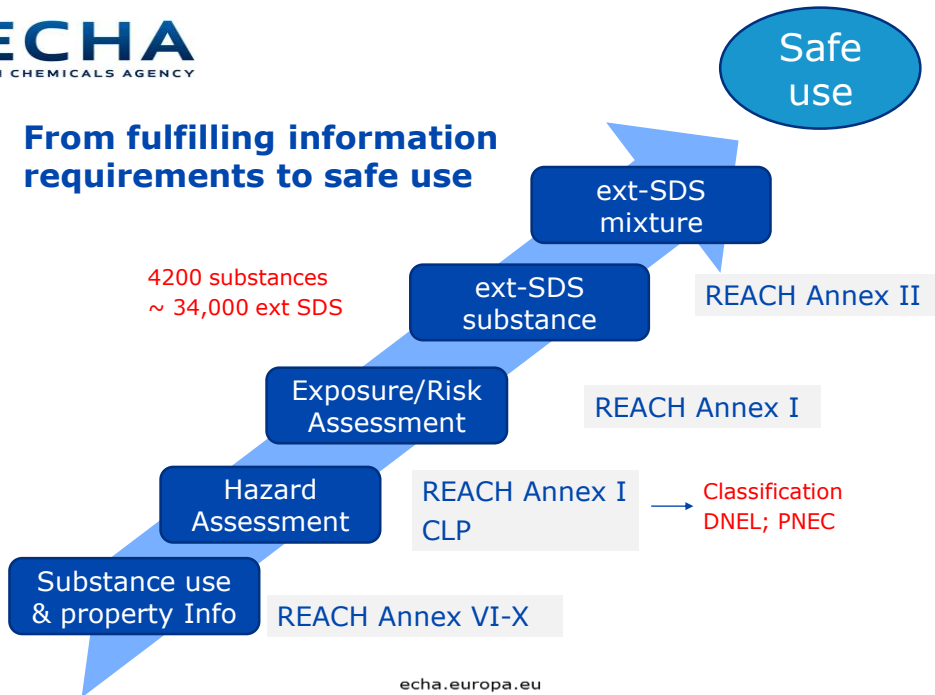
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Basic pillars of chemicals legislation



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From fulfilling information requirements to safe use



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REACH paradigm: The basic principles

- Registrants' chemical safety assessment:
 - Generates advice on safe use for whole supply chain (worker, consumer, environment).
 - Informs authorities about uses.
- Extended safety data sheets:
 - Provide concrete, task-specific advice on safe use for hazardous substances and mixtures instead of
 - *"ensure appropriate ventilation where needed"*
 - *"avoid contact with skin"*
 - Provide DNELs/PNECs complementary to classification (in particular, relevant where no OEL exists).
 - Trigger obligations on the recipient's side: Follow recommendations received or carry out own assessment.

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The Challenge

- **Assessor at the top of the supply chain** expected to:
 - **Differentiate** the safe use advice according to:
 - The identified uses in the life cycle of the substance.
 - The variety of the operational conditions existing
 - The risk management measures appropriate to the use and sector of use.
 - **Communicate** relevant and targeted advice in a terminology understandable to recipients.
- Single formulator, transforming substance level incoming exposure scenarios into safety instructions for his products. May be up to:
 - Several 1000 exposure scenarios from 100s of suppliers;
 - To SDS for 10,000 and more products.

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The Challenge (cont.)

- **REACH added exposure scenarios** from chemical safety assessment to the front end of companies' existing safety data sheet authoring systems without setting:
 - Integration rules.
 - Minimum requirements in terms of content and structure.

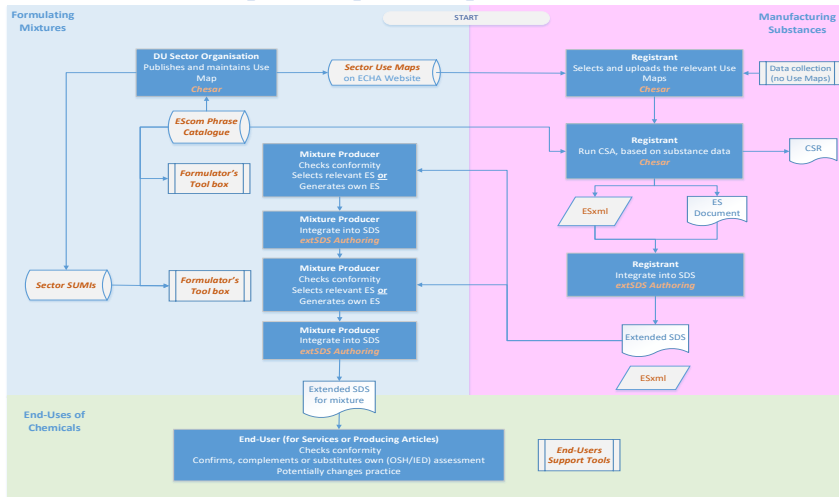
All this, based on use information to be obtained from a complex, diversified and competitive market.

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System schema (*blueprint*)



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How to move ahead / What to do?

- Develop **minimum requirements for exposure scenarios** (COM to make them binding) supporting one holistic [coherent] system for all actors in the supply chain => Synchronise the system.
- Support development of **methods** and corresponding **tools** where gaps still exist (in particular for formulators)
- Prepare the ground for **digitalisation** of safety data => Make system efficient.
- Demonstrate concretely how REACH can satisfy **end user information needs** and "sell" REACH exposure scenarios to OSH and IED communities=> Make system effective.

By this, ensure that REACH reaches out to safe use of all chemicals (and not just those where authorities had initiated regulatory action).

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Unit B4 – Exposure & Supply Chain