

Chemical safety report as a company asset

12th Stakeholders' Day

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Chemical safety assessment

- Aims to determine the conditions under which a substance can be **used safely** during its entire life cycle
- Is to be documented in a **chemical safety report** – part of REACH registration
- Conditions for safe use should be communicated with a **safety data sheet** to all the commercial users of the substance (as such and in mixture)

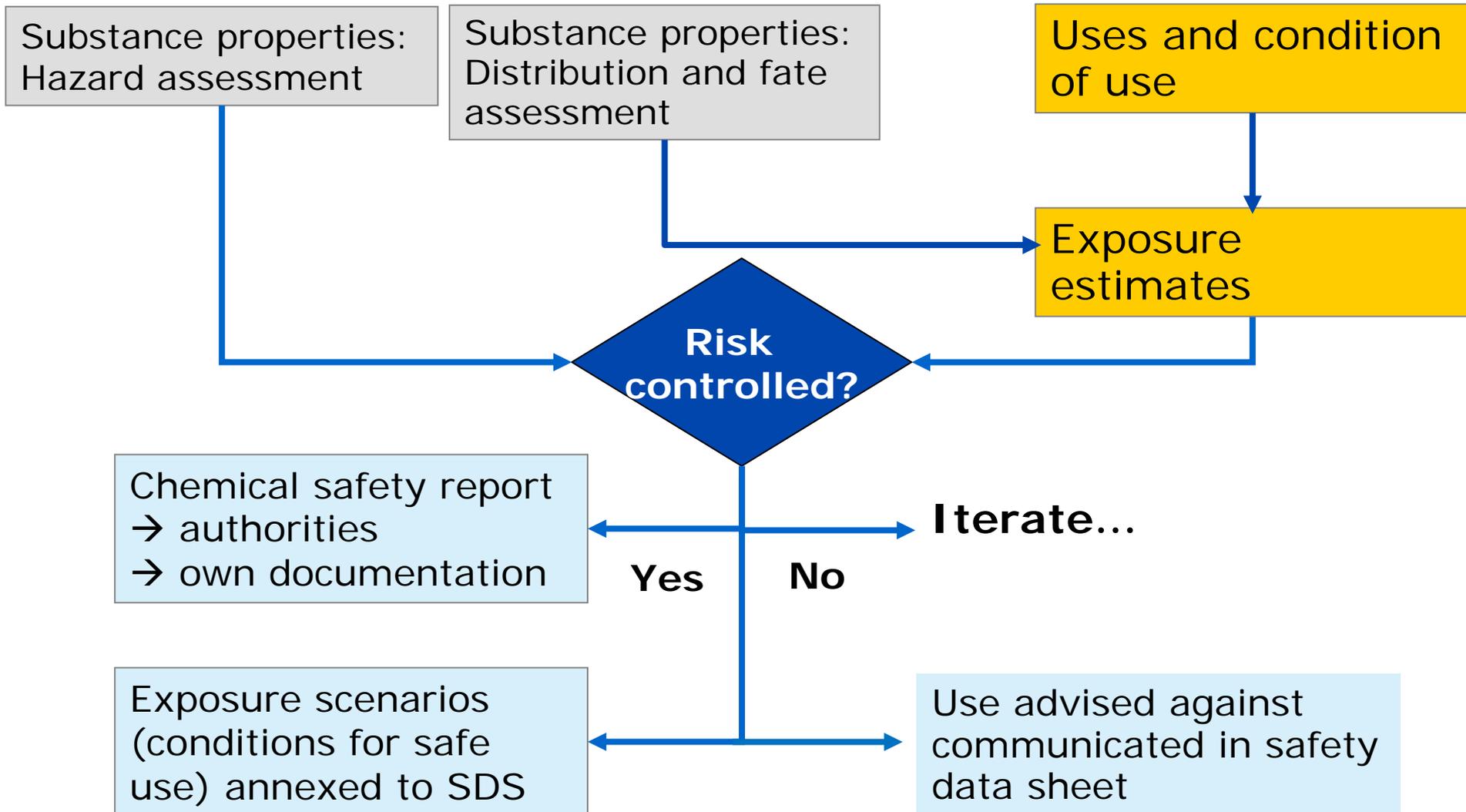


When full safety assessment needed?

- You manufacture or import substances **10 or more** tonnes per year (non-intermediates)
- Where the substance meets the criteria to be classified **hazardous or PBT** (based on the required test data)
- Duty of each registrant, but co-registrants can delegate to a lead registrant (joint chemical safety report)
- Safety report needs to cover **all** uses of the substance you are aware of
- For **imported mixtures**: for substances present above the concentration levels defined in Article 14(2)



How to assess?



What is needed?

Safety assessment requires information on substance properties and conditions of use

Manufacturer



**Knows the properties
of the substance**

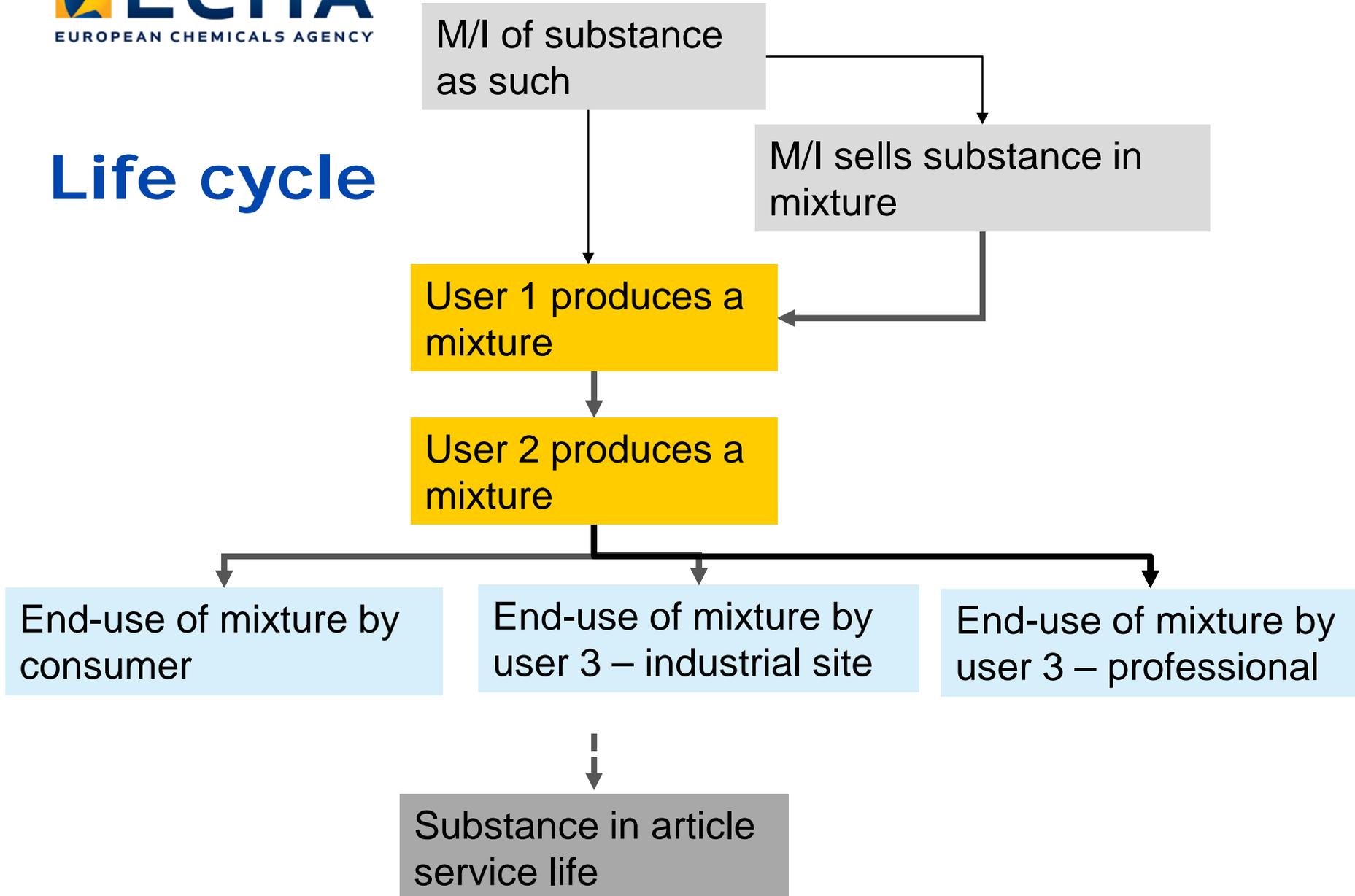
Downstream user



**Knows how the
substance is used**

→ Communication in the supply chain is key

Life cycle





Company asset

- On-site safety is the starting point
- True responsible care includes the full life cycle
- 'Care' includes
 - impact on human health and the environment
 - short term and long term
 - requires knowledge and 'care' about the substance and its use
- Your chemical safety report is
 - documented proof of this assessment and the positive outcome
 - Starting point to tell customers how to use the substance safely



Risks for business

- Registration dossier is incompliant due to inconsistencies between IUCLID, chemical safety report and safety data sheet
- Customers complain about wrong or unhelpful safety data sheets
- Customers use wrong safety information
- Similar customers have to do the same assessments (efficiency lost)
- Maintenance and updating of documents is burdensome/costly:
 - Registration dossier
 - All safety data sheets for products containing the substance
- Authorities pick the substance for further regulatory action for “wrong” reasons

The risks are collective - affect everyone in the supply chain (substance, mixture, article)

Tools to help: Chesar

- Supports in preparing the chemical safety assessment and safety report and exposure scenarios for communication
- Supports electronic transfer of data: from use map to registration dossier (IUCLID), exposure scenario for safety data sheet
 - Consistent and efficient
- Standardised workflow/document generated – efficiency gain for all actors
- Efficiency in single assessment
 - Integrated exposure estimation tools
 - Re-use of information across substances
 - Automated generation of documents
 - Facilitated updates



Chesar

- Increasing number of Chesar users: **40%** of safety reports submitted since June 2016
- Next release in June 2017
 - Improved support to use maps
 - Editable chemical safety report
- Training programme for users
- Potential future developments:
 - Update of embedded exposure tools
 - Integration of other exposure tools
 - More support for assessment of article service life



Improved chemical safety

Registrants

- Robust hazard data and good understanding of uses – basis for robust chemical safety assessment:
 - to serve customers (via safety data sheets)
 - to provide transparency to authorities and increase trust by the general public
 - To reduce the risk of regulatory scrutiny or other liability

Downstream users

- Upwards communication (e.g. via use maps) is the basis for useful information coming back
 - can be used for own workplace assessment
 - can be efficiently forwarded to own customers



Take-home messages

- Good chemical safety assessment is an asset for all companies using the substance throughout the supply chain
- Shared implementation efforts lead to increased safety at lower overall costs



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