#### Für Mensch & Umwelt



#### **Interreg ECHT Project**

# **Circular Economy: Policy Making for the Traceability** of Chemicals along Value Chains

**Regulatory landscape overview** 

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**North-West Europe** 

ECHT



Jahre Umweltbundesamt 1974–2024



### **EU: Most Relevant Green Deal Environmental Strategies/Action Plans**

#### ENVIRONMENTAL STRATEGIES AND ACTION PLANS CONTRIBUTING TO THE GREEN DEAL



#### Textiles: Sustainability through ecodesign

- Use of sustainable materials
- Circularity
- Repairability
- Elimination of Substances of Concern (SoCs)





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## **EU: Chemicals Regulations REACH, CLP**

**SVHCs** and **substances/mixtures** meeting hazardous classification criteria:

Supplier must provide a Safety Data Sheet (SDS) to the commercial recipient (REACH Art.31).

Consumers informed by labelling.

**Mixtures**: in certain cases, the commercial recipient may also request an SDS even if they don't meet hazardous classification criteria.

Ingredients that meet certain classification criteria must also be labelled.



Hazardous chemicals are labelled with pictograms. Hazard pictogram Hazardous to the aquatic envir. Source: UNECE / GHS

## CLP= classification and labelling of chemicals

REACH = EU chemicals regulation

SVHCs = substances of very high concern



REACH stands for registration, evaluation, authorisation and restriction of chemicals Source: Umweltbundesamt

# REACH

CLP

Article suppliers must provide the recipient with sufficient article information when SVHCs > 0.1% w/w to ensure safe use (at least name).

Information also to consumers upon request (free of charge within 45 days).

(REACH Art.33)

#### Experience:

High non-compliance rates (monitoring projects)

### **EU: SCIP Database**

#### Under the Waste Framework Directive (WFD)

For waste handlers (elimination of hazardous substances), consumers, for regulatory purposes (e.g. new restrictions)

Mandatory data collection for articles containing SVHCs > 0.1% (not for distributors) Experiences:

- Too complicated for consumers, little benefit for waste handlers
- Substantial compliance challenges, new administrative burdens for business

SCIP: Substances of Concern in Articles, as such or in complex objects - Products

### **EU: Ecodesign Regulation ESPR**

- Products must comply with ecodesign requirements to be placed on the market – SoC included under requirements
- Delegated acts for specific product groups, possibly horizontal requirements.
- Information requirements: as a minimum requirements in relation to SoC
- Information requirements shall make it possible to trace the SoC throughout the life cycle of the products.
- Substance name, position in product, concentration information must be provided in the **DPP**.
- Exemptions possible, e.g. based on the technical feasibility or relevance of tracing SoC, CBI, etc. No exemption for SVHCs > 0.1% "present in products, their relevant components or spare parts".



**SoC** = Substances of concern

**Product** = any physical good (incl. components and intermediate products, mixtures)

**DPP** = Digital Product Passport





#### SoC

= Substances of concern

= SVHCs, certain harmonised classified substances, POPs and "substances that negatively affect the re-use and recycling of materials"

Circularity-based SoC "negatively affects the re-use and recycling of materials in the product in which it is present" identified on a per product-basis

### **EU: Ecodesign Regulation ESPR**

- Products must comply with ecodesign requirements to be placed on the market – SoC included under requirements
- **Delegated acts** for specific product groups, possibly horizontal requirements
- Information requirements: as a minimum requirements in relation to SoC
- Information requirements: enabling SoC traceability throughout the life cycle of the products
- DPP: Substance name, position in product, concentration information must be provided
- Exemptions possible, e.g. based on the technical feasibility or relevance of tracing SoC, CBI, etc. <u>No exemption</u> for SVHCs > 0.1% "present in products, their relevant components or spare parts"



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### **EU: Ecodesign Regulation ESPR**

**Uncertainties yet remain** 

Mandatory information requirements: for all SVHCs, for all product groups?

What happens when new SVHCs are identified?

How can SoC be tracked throughout the product life cycle?

E.g. preparatory study JRC on textiles: scope only apparel, excluding all intermediate products (fabrics, yarns, fibres etc.).

How will the information requirements on SoC in the delegated acts evolve?



### **Global Chemicals Management**



Complex system of numerous institutions with different mandates and capacities. UN: at least 9 competent organisations, including UNEP, WHO, FAO, ILO

- Coordination of global activities: IOMC (Inter-Organisation Programme for the Sound Management of Chemicals)
- Conventions: Basel (hazardous waste), Rotterdam (PIC international chemicals trade), Stockholm (POPs), Minamata (Hg)
- UN GHS (Globally Harmonised System): Classification & Labelling of substances/mixtures, rules for communication of information in the supply chain (SDS)
- OECD (Organisation for Economic Co-operation and Development): Guidelines, recommendations, declarations on chemicals



**Regulatory Landscape Overview** 

### **Global Chemicals Management**



UNEP: Chemicals in Products (CiP) Programme recommendations

- Establish basic legal structures for chemicals management
- Encourage adoption of information exchange systems (iPoint, HP, IMDS..)
- Use public procurement
- Secure right of consumers to access information
- Raise awareness
- Help stakeholders meet and anticipate regulatory requirements concerning chemicals (e.g. via substances lists)
- Promote voluntary initiatives and collaboration



### **Global Chemicals Management**



## **Global Framework on Chemicals (GFC)**

- Strategic international initiative. Builds on the Strategic Approach to International Chemicals Management (SAICM). Aligns with the Sustainable Development Goals (SDGs) (UN, 2015)
- Adopted 2023 in Bonn. Legally non-binding, > 150 countries.
  Financing?
- Target B2 By 2030, stakeholders make available, to the extent possible, reliable information on chemicals in materials and products throughout the value chain
- Target B6 By 2030, all Governments have implemented the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in all relevant sectors as appropriate for their national circumstances

establish globally coordinated policies

encourage industry responsibility

 strengthen chemical management systems in countries worldwide



Source: https://www.chemicalsframework.org/

### **Other supportive instruments**



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Regulatory Landscape Overview

## Conclusions

Many information requirements under the existing EU legislation

Creation of interlinks across information requirements  $\rightarrow$  no duplication of work. Availability of information to stakeholders



What changes are needed to facilitate compliance with the various legal requirements?

Problem: Non-compliance

#### Problem:

Dynamic nature of hazardous substances identification requires constant information flow

> Global scale intrinsically connected to chemicals traceability. Improvement?

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What contribution can full material traceability make?

What political steps would have to be taken in the different regulatory areas to promote or even require traceability?

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# Thank you for your attention

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