



WORKING GROUP
HEALTH&SAFETY AND RESPONSIBLE CARE
Brussels, 30 November 2009



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Main EU legislation applicable to construction chemicals

- **Construction Products Directive (CPD)**- Future Construction Products Regulation (CPR) under co-decision
- **REACH**
 - Regulation (EC) no. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
 - Entered into force on 1 June 2007
 - Broad in scope (not just chemical sector)
- **Classification, labelling and packaging (CLP)**
 - Dangerous Preparations Directive (1999/45/EC)
 - Regulation 1272/2008 (entered into force on 20 January 2009)
 - 1st Adaptation to Technical Progress (ATP) Regulation 790/2009 (entered into force on 6 September 2009)
 - 1 June 2015: CLP replaces Dangerous Preparations Directive (1999/45/EC) for mixtures



Article 1

- to ensure a **high level of protection of human health** and the environment
- the promotion of alternative methods for assessment of hazards of substances
- the free circulation of substances on the internal market
- enhancing competitiveness and innovation

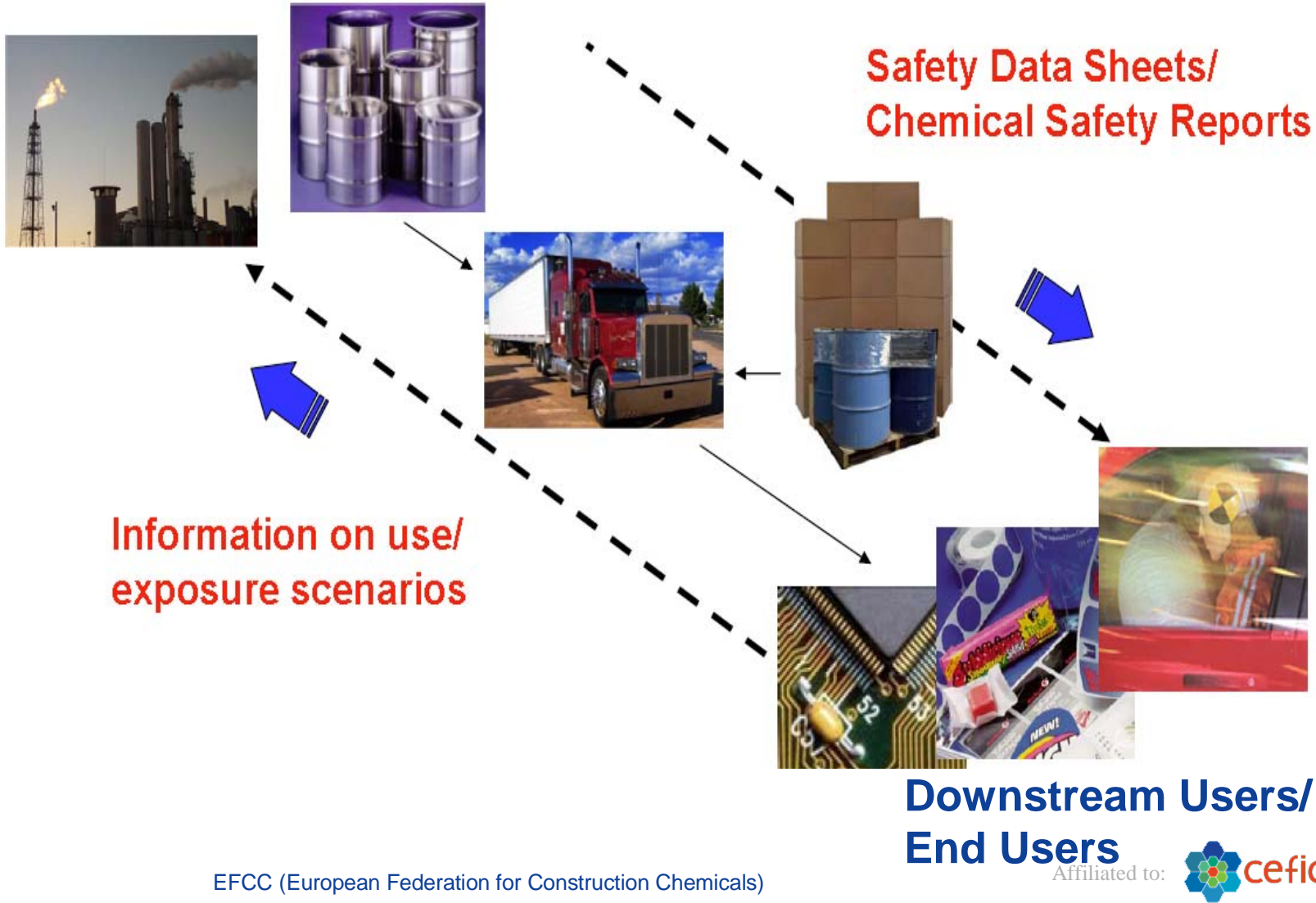
REACH lays down provisions for:

- Substances
- **Preparations (mixtures)- Construction chemicals**
- Articles

REACH Supply chain communication



Manufacturers



What are preparations (mixtures) manufacturers doing?

- **Be in contact with suppliers to ensure registration of substances needed**
- **Communicating in the supply chain to ensure all our uses are covered**
- **Downstream users in DUCG have established a common system for an uniform structuring, describing and communicating uses**



Downstream Users of Chemicals Co-ordination group

Example: Construction chemicals Use Reporting (UseR)

http://info.vci.de/user_cc/default.aspx

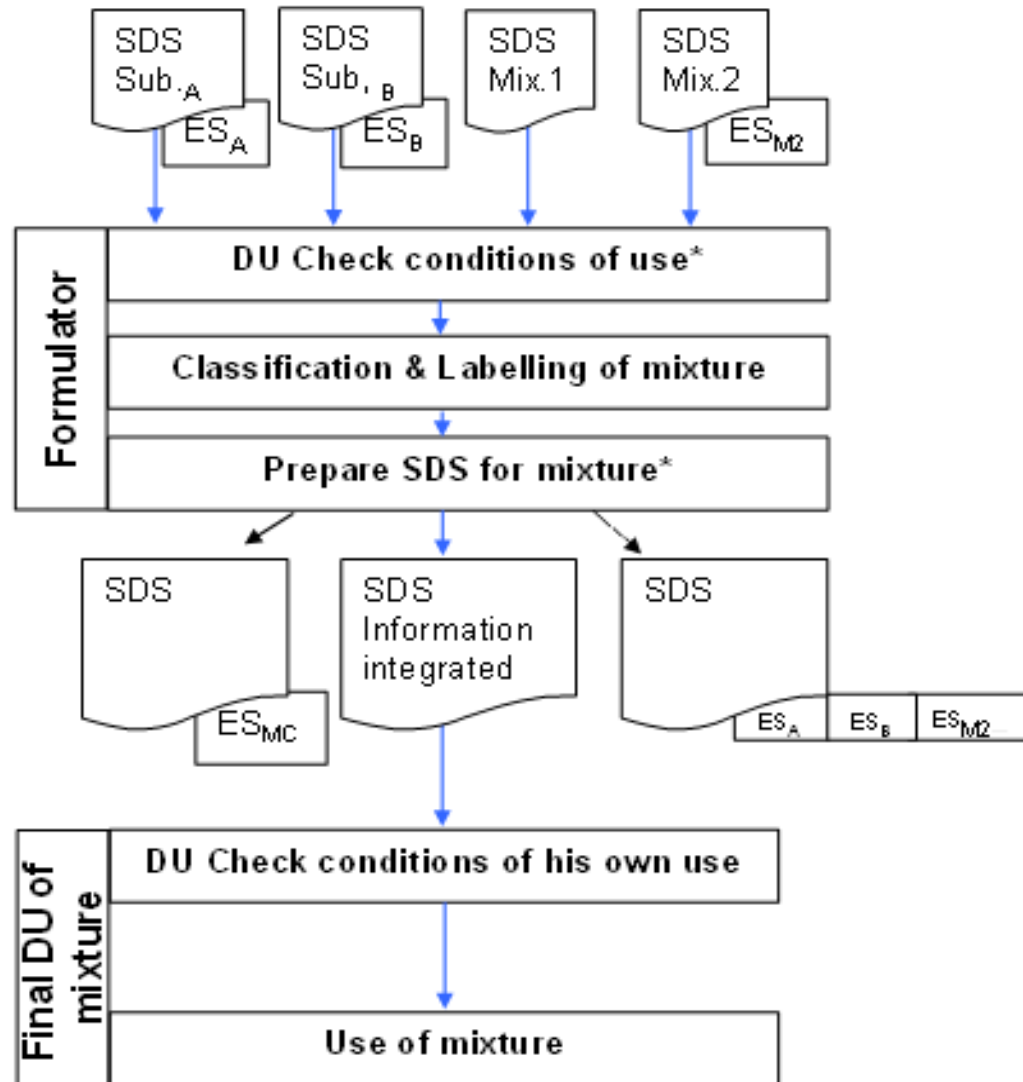
- **Preparing to receive new Safety Data Sheets of substances as of the end of 2010 (some of them including exposure scenarios attached).**



Example - Use Reporting Construction Chemicals

	<i>open system</i>	<i>closed system</i>	<i>indoor</i>	<i>outdoor</i>
<i>formulation</i>	UseR-CC-1-1 (with LEV)	UseR-CC-2		
	UseR-CC-1-2 (without LEV)			
<i>industrial use</i>			UseR-CC-3-1 (with spraying)	UseR-CC-4-1 (with spraying)
			UseR-CC-3-2 (without spraying)	UseR-CC-4-2 (without spraying)
<i>professional use</i>			UseR-CC-5-1 (with spraying)	UseR-CC-6-1 (with spraying)
			UseR-CC-5-2 (without spraying)	UseR-CC-6-2 (without spraying)
<i>consumer use</i>			UseR-CC-7	UseR-CC-8

REACH- Supply chain communication



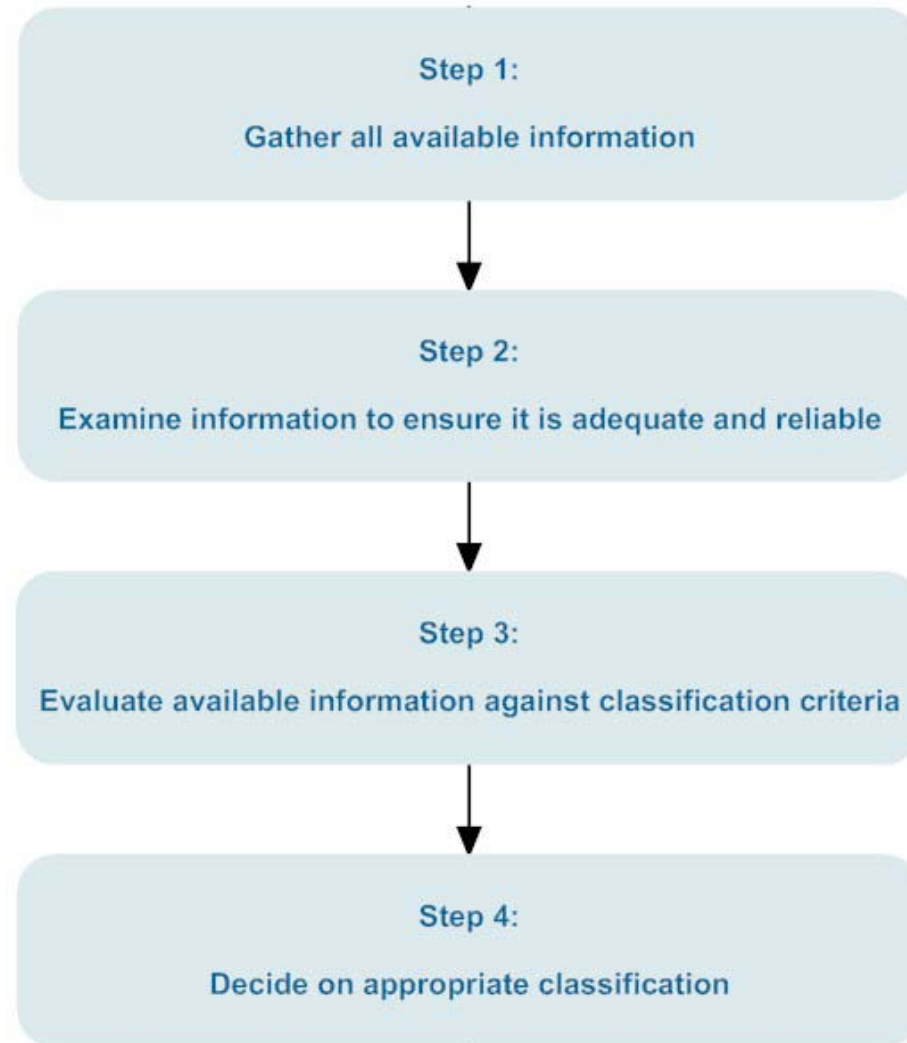
Overview main tasks
preparations (mixtures)
manufactures

SDS = safety data sheet
 Sub. = substance
 Mix. = mixture
 DU = downstream user
 ES = exposure scenario
 ES_A = ES substance A
 ES_{M2} = ES mixture 2
 ES_{MC} = consolidated ES of final mixture

*: own uses and uses of his customers

Three steps

1st step: Classification of the mixture



Three steps

2nd step: Derive the labelling from the classification:

- Pictograms



- Signal words (e.g. warning, danger)
- Hazard Statements (e.g. physical, health, environmental)
- Precautionary Statements (e.g. prevention, storage, disposal)
- Additional labelling required by CLP Annex II
- Labelling required by other EU legislation

3rd step: Packaging

- Labelling according to size

Example epoxy paint (before)

4514811480



Harmful

GB

Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not breathe vapor or spray. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Contains epoxy constituents. See information supplied by the manufacturer.

Contains: middlemolecular epoxyresin, xylene, bisphenol A-(epichlorhydrin) epoxy resin MW =< 700.

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Example epoxy paint (after)

HEMPADUR 45148



Danger

Contains: middle molecular epoxies (E, xylete, bisphenol A-(epichlorohydrin) epoxy resin MW =< 700.

GB
Flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.
Wear protective gloves. Wear eye/face protection. Keep away from ignition sources such as heat/sparks/open flame. - No smoking. Use explosion-proof electrical/ventilating/lighting/material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Take off contaminated clothing and wash before re-use. Rinse skin with water for longer. Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store in cool/dry/ventilated place.
Dispose of contents and container in accordance with all local, regional, national and international regulations.

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CONCLUSIONS



- **REACH lays down provisions for preparations (mixtures)**
- **Communication in the supply chain is key to ensure that:**
 - **Substances we use are registered**
 - **Our uses are covered**
- **New classification, labelling and packaging of mixtures as of 1 June 2015**
- **New Safety Data Sheets for mixtures will be developed**
- **Users of construction chemicals shall:**
 - **Follow the instructions of the Safety Data Sheets (included the Exposure Scenarios eventually attached)**
 - **Contact us in case you believe the risk management measures are not appropriate**

QUESTIONS



THANK YOU FOR YOUR ATTENTION
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