




The formaldehyde sector group of  cefic

REACH and Binding Occupational Exposure Limit Values

Sectoral Dialogue Committee of the European Chemical Industry – 07.09.2017

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Formacare

*Representing the
Formaldehyde Industry*

*26 Full Members
5 Associated Members*

Sector group of CEFIC

Aminoplast Resins



Polyacetal



Polyols



*Paraformaldehyde
Hexamine*



*Associated
Members*



EMPA





*64 Formaldehyde
Manufacturing Sites
Accross Europe*

*Sales of
formaldehyde based
product estimated at
9,5 billion Euros*

*Estimated 30.000
direct and indirect
workers in chemical
manufacturing*

*Estimated 1,7
million workers
depends on
formaldehyde in
downstream sectors*

Did you know?

Formaldehyde is used in the manufacture of a wide range of everyday objects

In the hospital...

Safe and effective vaccines, bacteria-free operating theatres, plastic instruments withstanding high temperature sterilization, innovative plastic insulin pens and inhalers.

In the air...

High performance aircraft tires and brakes, lightweight, comfortable seats.



In the fields...

Coatings for easy-flowing and slow-release fertiliser pellets.

In our buildings...

Almost all wood-based wall, ceiling and flooring systems, insulating foams and fibres, and protective paints and varnishes.

In the bathroom...

Attractive and durable wooden bathroom furniture, safe personal care products, such as liquid hand soaps.

Formaldehyde occurs **naturally** in the environment



On the move...

Light-weight sports equipment.

In the laundry room...

Wrinkle-free, easy-iron and stain-resistant shirts. Scratch-resistant aesthetic coatings for washing machines and other domestic appliances.

In the bedroom...

Attractive, affordable new and recycled wooden furniture, comfortable and breathable mattresses.

In the kitchen...

Affordable kitchen furniture, with attractive and durable work surfaces, and canned food and drinks with increased shelf-life.

On the go...

Weather-resistant sportswear.



In the car...

Scratch-resistant high-gloss external coatings, anti-corrosion coatings, brake pads, tires, retraction mechanisms for seat belts, comfortable foam seats.



Exposure to Formaldehyde

Occupational Exposure

Industrial Use

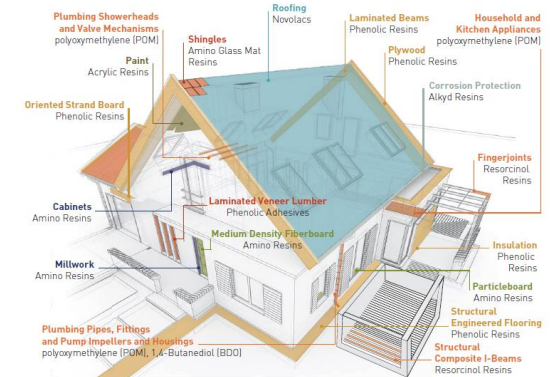


Professional Use

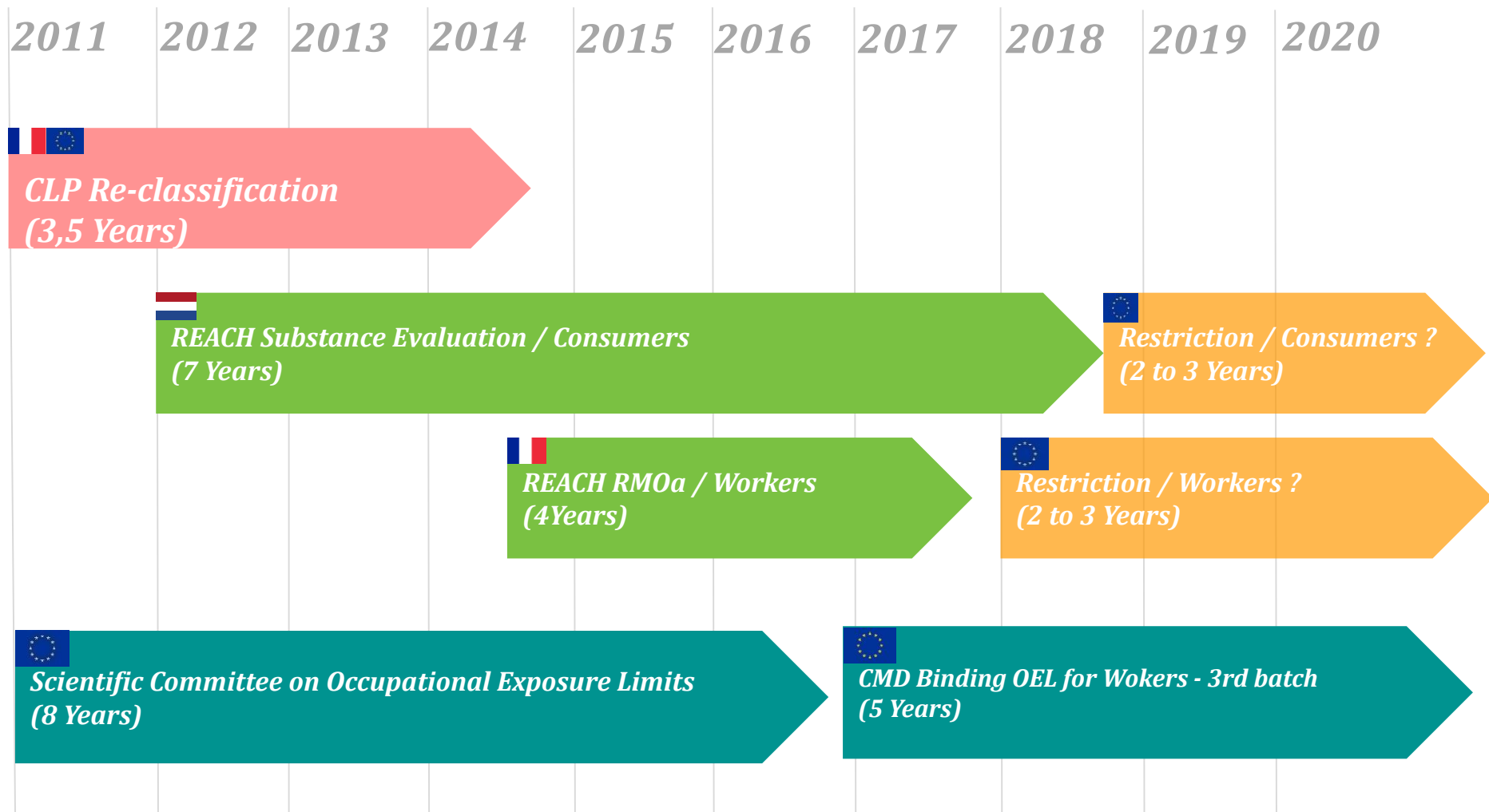


Consumer Exposure

Indoor / Outdoor Air

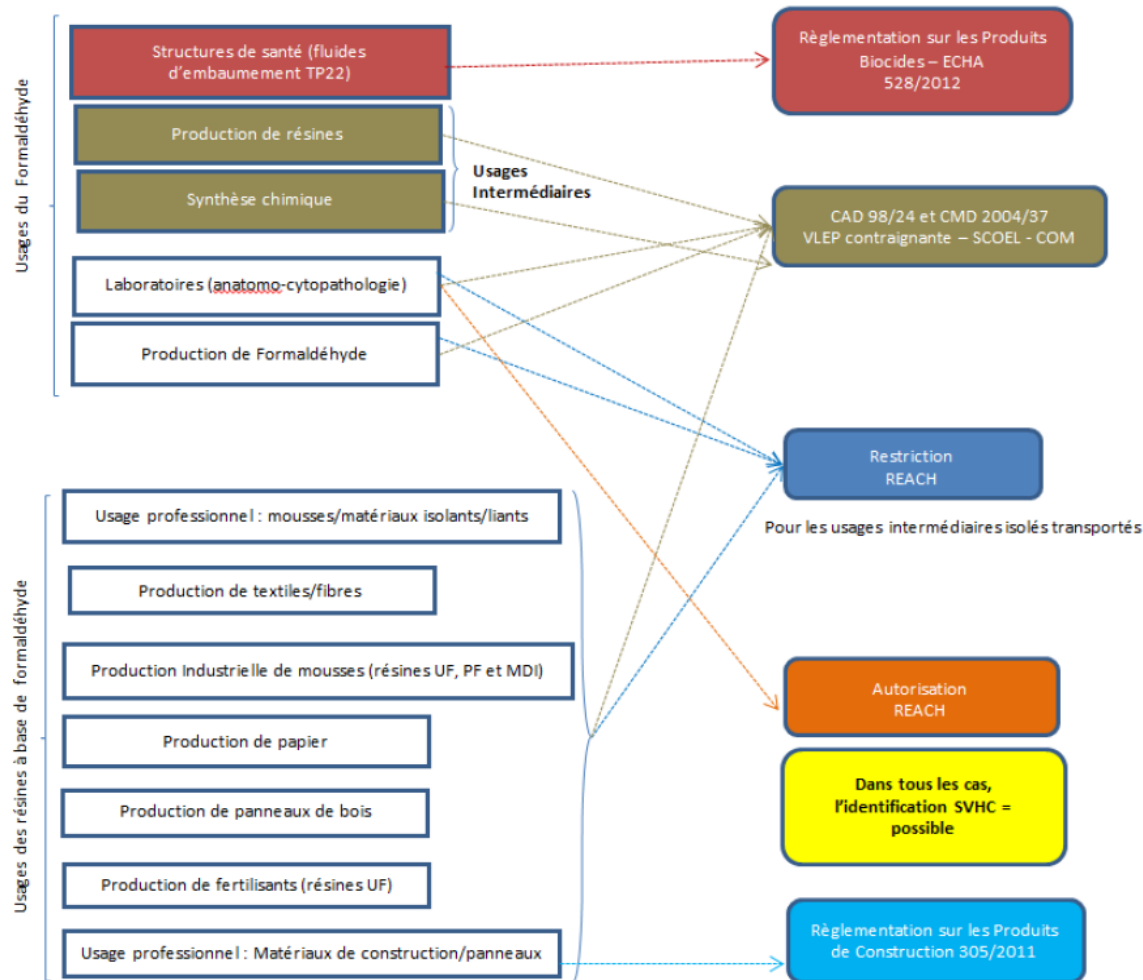


REACH/OSH Interface: Formaldehyde (1)




REACH/OSH Interface: Formaldéhyde (2)

Annexe. Figure 4. Options possibles de gestion des risques applicables aux travailleurs dans le cadre réglementaire du Formaldéhyde



Legislation own merits

| | <i>OSH / CMD / BOEL</i> | <i>REACH</i> |
|------------------------|---|---|
| <i>Risk Assessment</i> | <ul style="list-style-type: none"> <i>Obligation at the individual site level (Inventories, Identification of SEG's, sampling and monitoring protocols)</i> | <ul style="list-style-type: none"> <i>Chemical Safety Report</i> <i>Safety Data Sheets</i> <i>Exposure Scenarios</i> <p> <i>complementary tools for the risk assessment at the workplace</i></p> <ul style="list-style-type: none"> <i>Substance Evaluation/RMOAs (Scrutiny)</i> |
| <i>Risk Management</i> | <ul style="list-style-type: none"> <i>Hierarchy of measures</i> <i>Occupational Exposure Limits to cover all uses and sources (including process generated exposures and intermediate uses)</i> | <ul style="list-style-type: none"> <i>Restrictions: Target uses where an unacceptable risk is clearly identified/ Additional Safety Net (ongoing discussion on Isocyanates)</i> |

Conclusions

- *Assessment substance by substance + use by use (no shortcuts)*
- *Risk Management Option Analysis is a pragmatic way to assess the REACH/OSH interface*
- *Constructive cooperation from the social partners is a must*
- *REACH/CMD are complementary legislations to protect workers*