

ANSES activities on CMR substitution (with a focus on reprotoxicants)

EU-OSHA Workshop « Workplace risks affecting reproduction



Context

- Request of the French Ministry of Labour in 2007
 - to carry out a picture of the effectiveness of the substitution in France
 - to develop a tool to support the substitution of chemicals classified as CMR 1A or/and 1B
- A multidisciplinary working group "CMR substitution" was set up
- first step: drawing up a priority list of CMRs classified as 1A or/and 1B by the European Union after having determined a prioritisation methodology
- second step: for each chemical → to collect data on its properties, uses and alternatives through <u>literature reviews</u> and <u>surveys</u>



Context

- First survey (2008-2009) : 23 CMR
- Second survey (2009-2010): 56 CMR
 - Identification of contacts of potential users CMR
 - Mailing / on line / phone call questionnaires
 - French entreprises only
- Information collected on prod. / use / substitution about 102 CMR 1A or 1B
- From 484 companies
- Information collected → <u>www.substitution-cmr.fr</u>



Ways of database development

Anses ongoing expertises

- Substances of the ongoing expertise on ED & Reprotoxicants
- Ex.: BPA
 - Alternatives identified for BPA itself: 73
 - Alternatives for plolycarbonates: 21
 - Alternatives for epoxyde resins: 18
 - Alternatives for thermal papers: 34
 - Alternatives for food contact materials: 33
- Litterature review: 62 alternatives identied
- Direct contact with entreprises: 7 alternatives identified
- New !: call for contributions in september 2011: 4 alternatives identified / 10 contributions

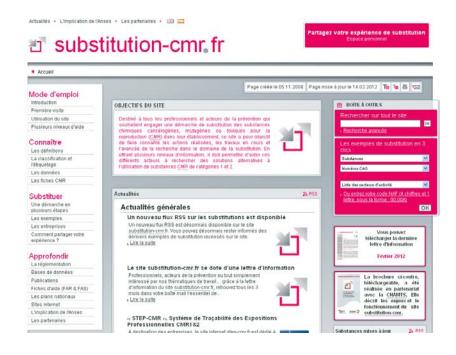


Ways of database development

- Substances based on EU priorities
 - For ex. Annex XIV substances

- CNAMTS Anses agreement:
- Spontaneous declaration through website (rare)





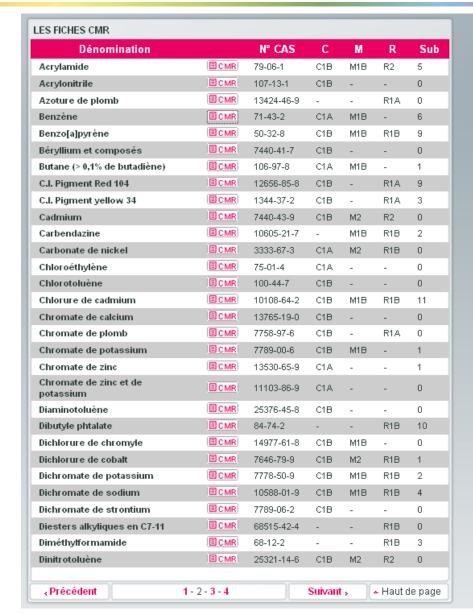
Main objectives: **Promote the substitution principle** of the CMR substances by giving **keys** to conduct a substitution and avoid the transfer of human health risks. It is aimed primarily at SMEs.

may also help producers of high concern substances who will need to submit a substitution plan to the European Chemicals Agency according to the REACH regulation



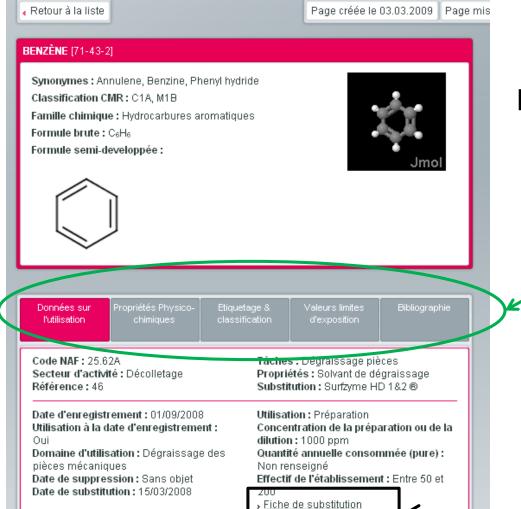


CMR factsheets









Tâches: Dégraissage pièces

Capsule®

Propriétés : Solvant de dégraissage

Substitution: Surfzyme Microbial Gel

Code NAF: 25.62A

Référence: 46

Secteur d'activité : Décolletage

Description of CMR (physical-chemical properties, labelling, classification, OELs, uses...)

To reach the substituion report for this CMR substance





Information on the substitute (physical-chemical properties, regulation,...)



Not an « all inclusive » tool

- Disclaimer always included:
 - Anses does not provide all-inclusive or ready to use alternatives
 - Risk assessment of the alternatives communicated by entreprises are not provided
 - Information/alternatives are only communicated as examples of successful stories indicating that substitution is possible within companies of similar activities
 - It is the responsability of the entreprise to carrefully assess the risks for health and environment of the alternatives identified



Main figures

Number of entreprises having collaborated	> 500			
Number of CMR available	120			
Number of substances at least classified as reprotoxic	R1A	R1B	R2	
	10	43	10	
On line available uses	1108			
Number of examples of substitution available on line	379			
Substitutions by a substance	195			
Substitutions by a mixture	83			
Substitutions by a process	101			
Number of website consultation / year	Arou	Around 100 000		



Feedback - Perspectives

- Important update necessary with classification and labelling evolution
 - Ex.: NEP as an alternative to NMP have been removed from the website because of its classification as Repr. Cat. 1B
- Despite disclaimer, the examples of substitution as often considered as "ready to use" fully assessed alternatives
 - Not possible except if big means in an exhaustive approach
 - Quick qualitative Health hazard assessment only possible occasionally (BPA, REACH restriction...)
- There is a need to translate the information in English → EU perspective and to share the workload with EU
- Enlarge studies to PPP and Biocides ?



Thank you for your attention!

