



Methodologies to determine safe use information for mixtures

Steven Van de Broeck

(on behalf of the Cefic/VCI mixtures Task Force)

ENES 7, Brussels, 18-19 november 2014



Background



Safe use of (substances in) mixtures



How to use ES information for the safe use of mixtures



Lot of challenges



Action area 4 : Support to formulators

Action 4.1 Action 4.2 Action 4.3

Action 4.4 Action 4.5 Action 4.6



Practical solutions are being developed

One year ago ...



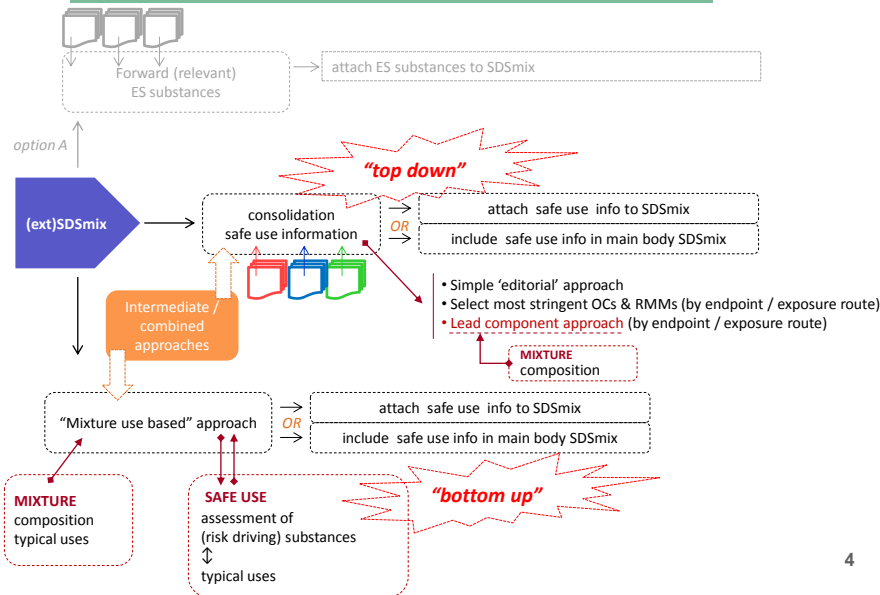
At ENES 5 the results of a mapping exercise representing the compilation of various approaches to generate safe use information for mixtures were presented

- 15 approaches mapped
- 2 main approaches
 - Bottom up (“mixture use” based)
 - Typically **sector specific**
 - Covering vast majority of sector specific products and uses
 - Top down
 - Typically more **generally applicable**
 - Applicable for each type of a mixture, regardless of the composition and or intended use

Developer	Bottom up?	Top down?
FEICA	↑	
ATIEL/ATC	↑	
CEPE	↑	
NVZ/A.I.S.E.	↑	
IFRA	↑	
Jongerijs/Caesar Consult	↑	OR ↓
Resins Technical Platform	↑	OR ↓
Plastics Europe / EUPC	↑	
FECC		↓
Ecomatters & TNO		↓
Triskellon		↓
essencia	↑	OR ↓
Zschimmer & Schwarz		↓
VCI/Cefic		↓
BASF		↓
Axalta PC		↓

3

Top down vs bottom up – basic principles

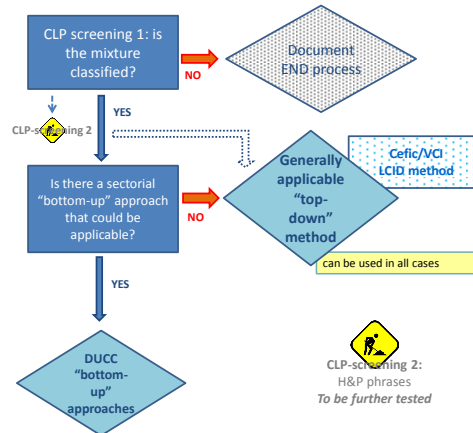


4

Use of top down vs bottom up



- Both approaches are complementary to each other



5

ENES 5 ... ENES 7



- A common concept for a top down methodology has been developed by a joint Cefic/VCI TF
 - Coined 'Lead Component Identification Methodology'
 - Based on:
 - available information / methods
 - scientific rationale
 - input from practical examples / testing
 - Aimed to be user friendly
 - Step by step workflows
 - Allowing maximum degree of automation
 - Documented in a practical guide



See presentation
Cefic/VCI mixtures TF
@ ENES 7



6

ENES 5 ... ENES 7



- Bottom up approaches are further developed by sector associations – one has been finalised and published (the A.I.S.E./NVZ GEIS approach)
- Several DU sector associations are working together to:
 - Exchange experiences
 - Find harmonised solutions for similar challenges
 - Align as much as possible sector specific methodologies
 - Agree on terminology



See presentation
DUCC Task Force on Mixtures @ ENES 7

7

After ENES 7



- Further work is needed
Gathering feedback from several stakeholders
- Testing, testing, testing ...
- ...

See specific presentation on LCID and bottom up approaches for more detailed information on the next steps

8

Questions

