



DUCC



Downstream Users of Chemicals Co-ordination group

# Sector-specific approaches for deriving information towards developing and communicating safe-use of mixtures

*inc. SUMIs – Safe Use of Mixtures Information for end-users*

CSR/ES Roadmap

Laura Portugal

DUCC Mixtures TF

ENES 9, 6 November 2015

- Actions in CSR/ES Roadmap
- Reminder: The concept/principles and elements of the “Bottom-Up” approach
- Additional considerations on the SUMIs
- Reminder: SUMI format
- Next steps
- Concluding remarks

Back-up slides: examples of SUMIs + communication in the supply chain with the SWEDs/SUMIs approach integrated

## Action 4.4

Further develop the **methodology** to link the **substance-related** safety advice in the exposure scenarios with the communication on safe use of (substances in) **mixtures**.

***Strongly linked to action 2.3.A. – SWEDs template***

## Action 5.1

Analyse the **information needs** of the different **end-user** groups and **improve** the **presentation of information** on **safe use of mixtures** in the safety data sheet (either in exposure scenarios or in the main body of the document).



## What is the basis?

DU Sector associations are in possession of information regarding the market and (end-)use of their mixture:

- Enables the creation of **standardized** sets of information on the **relevant OC/RMM** for majority of uses of the mixtures that are most **relevant for the sector**

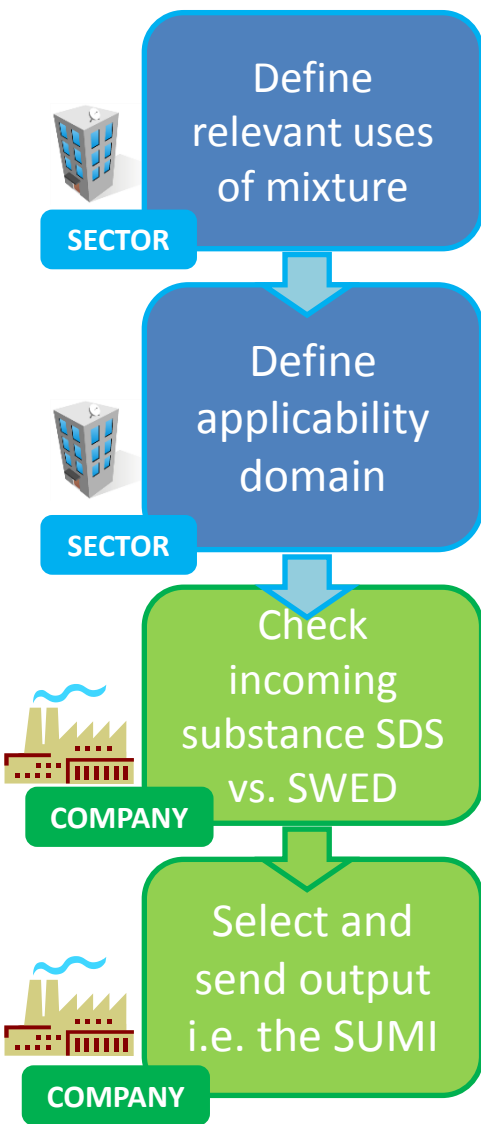
## What are the expected benefits?

**Upstream communication:** registrants will make use of realistic and harmonised information for their CSA

**Downstream communication:** DUs will receive consistent and (more) realistic safe use information, in an harmonised template

# Reminder on the “Bottom-Up” approach

## The concept



- Pre-defined “packages” with UD + OC/RMM, per relevant sector use
- Harmonised templates (improved use maps + SWEDs)

- Substance free!

- “Validation”

- Simple advice to industrial and professional end-users

**Note 1:** checking whether a received exposure scenario fits within the sector’s pre-defined conditions may include a check on **quantitative values**, such as “minimum tolerable DNEL”, besides the OCs + RMMs

**Note 2:** Options for the formulator if the substance ES does not fit in the pre-defined conditions:  
**1. to send the information** back to the **supplier** and discuss whether he can “endorse” it / update his CSR.  
**2. to perform a DU CSA.**  
**3. To apply the Cefic/VCI LCiD methodology**

**Note 3:** the **output** will consist basically of the safe use information pre-defined by the sector, in a simple-to-understand format.

# Reminder on the “Bottom-Up” approach

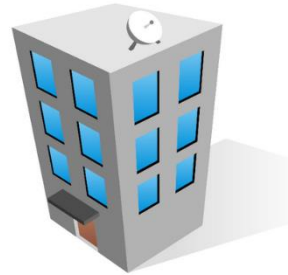
## The elements



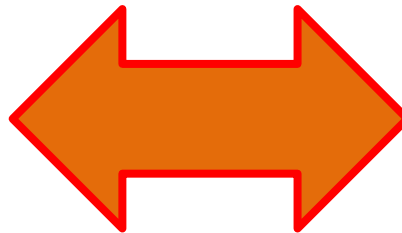
Downstream Users of Chemicals Co-ordination group

### SWED

Sector-specific Worker  
Exposure Description



Sector association



### Formulator

1. To check  
incoming ES for  
substances vs.  
SWEDs

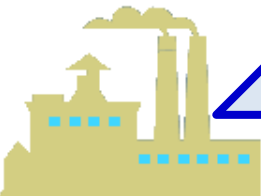
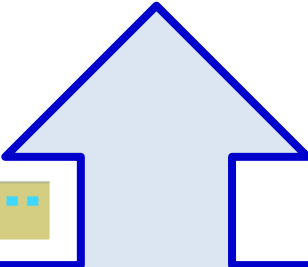
2. To communicate  
downstream the  
appropriate  
SUMI

- Based on SWED → the **output** of the assessment, tailored to the end-user
- One SWED ⇔ One SUMI
- Simple advice to industrial and professional end-users
- Use oriented: one SUMI can cover different products
- To be integrated within *or* appended to the SDS of mixtures (1- or 2-pager)



### SUMI


Safe Use of Mixtures  
Information

- 
- 
- Describe the uses of mixtures by workers
  - It is the **input** information for CSA / Workers' Exposure (provides the exposure determinants)
  - Template discussed under action 2.3.A.
  - Are part of the use maps


# Additional considerations on the SUMIs

- Sending information on safe use of mixtures is mandatory for classified products (REACH Art. 31(7))
  - Therefore SUMI, although ‘voluntary’, can be considered ‘mandatory’ only for classified products
- Do not replace **SDS**!
  - SDS includes **product-specific** information (classification, specifications of Personal Protective Equipment, ...) and SUMI is for the *use*
- Sometimes more than one SUMI can be integrated within or appended to the SDS
  - this is due to different approaches for creation of SWEDs by the different sectors: either at use or contributing activity level
- **Template** agreed by DUCC
  - Presented at ENES 8
- Will ideally be **translated**

## Mandatory SUMI content

<b>SUMI: Safe Use of Mixtures</b> Information for end-users	<b>Sector / Company</b> <b>logo</b>
<b>Sector_SUMI_code: Title of SUMI</b>	
General description of process covered <i>May include use descriptor codes or reference to SWED</i>	
<b>Operational Conditions</b>	
<i>Maximum duration:</i>	<i>xx min.</i>
<i>Other:</i>	<i>xxx</i>
<b>Risk Management Measures</b>	
Required RMMs, use of pictograms 	
<i>Reference to Section 8 of SDS for RMM specifications</i>	
<i>If applicable: any environmental measures</i>	
<b>Disclaimer</b>	
<i>Disclaimer on boundaries of SUMI use</i>	
Sector_SUMI_code / version number	

## Optional SUMI content

<b>Good practice advice</b>
If relevant, applicable (sector-specific) good practice advice
<i>Use of pictograms when available</i> 
<b>Additional information on product composition</b>
To include references to other relevant sections of SDS or product label
Sector_SUMI_code / version number

*NOTE: This format is still subject to (minor) editorial changes.*



- **Recurring**
  - Assess links/synergies with other Roadmap activities
  - Compare outcome with results of Cefic/VCI LCId methodology
- **By end 2015**
  - Finalisation of “Bottom-up” explanatory note (guidance)

*Once improved use maps and SWED templates are available (expected by end 2015):*

- **By 1Q or 2Q 2016**
  - Sectors to publish their SWEDs and SUMIs
  - Update to “improved” sector use maps
- **2016**
  - Development of Chesar input files for SWEDs

- **SWEDs**

- Developed mostly for classified mixtures
- Prepared by sector associations
- To be used as input for a chemical safety assessment by registrants, together with use maps
- To be used by formulator to cross-check with incoming ES for substances

- **SUMIs**

- Correspond to SWEDs
- Prepared by sector associations
- To be communicated downstream: formulators → end-users

- **Representative / Harmonised / Meaningful / Simple**

# Thank you for your attention!

## Questions?



Downstream Users of Chemicals Co-ordination group

[www.ducc.eu](http://www.ducc.eu)

# Backup slides

# SUMI: Example AISE (draft)





Downstream Users of Chemicals Co-ordination group







<b>SUMI: Safe Use of Mixtures Information for end-users</b>	
<b>AISE_SUMI_13.1.b.v1: Professional use of drain unblockers</b>	

<b>General description of the process covered</b>	
Use of drain unblocking products by professional end-users	
<i>This information is linked to AISE_SWED_13.1.b.v1</i>	
Sector of use (SU): 22	Professional
Process Category (PROC) 13	Dipping & pouring

<b>Operational conditions</b>	
Maximum duration	10 minutes per day.
Process conditions	Process is carried out at room temperature.
	In case of dilution, tap water at a maximum temperature of 45 degrees Celcius is used.
	No LEV needed; good general ventilation at workplace is sufficient.

<b>Risk management measures</b>	
<b>Conditions and measures related to personal protection equipment (PPE), hygiene and health evaluation and the environment</b>	Use gloves and safety goggles. See Section 8 of the SDS of this product for specifications.  
	Training of the worker in relation to proper use and maintenance of the PPE must be ensured.
<b>Environmental measures</b>	Prevent that the undiluted product reaches surface waters.

**Note: This example is a draft and subject to change.**

<b>Good practise advice</b>	
Don't eat or drink, don't smoke, no open flame	  
Wash hands after use Avoid contact with damaged skin Do not mix with other products	  
Spillage instructions	Dilute with water and mop up.
Additional good practice advice	Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the SDS of the used product.

<b>Additional information on product composition</b>	
In Section 2 of the SDS of products and on the label the classification of the undiluted product is provided.	
The classification of a product is based on the classified ingredients in the products. All ingredients contributing to the classification of the mixture are mentioned in Section 3 of the SDS.	
Relevant limit values of the ingredients on which the exposure assessment is based, are stated in Section 8 of the SDS.	
This product may contain sensitizing ingredients, that may cause an allergic reaction in certain people. Section 15 of the SDS states these ingredients, when applicable to the product.	

*Disclaimer: This is a generic document for communicating conditions of safe use of a product. If a GEIS code is mentioned in Section 1 of the SDS of a product, the formulator of that product declares that all substances in the mixture are present in such concentration, that the use of the product within the conditions of the GEIS CSP documents is safe, according to the GEIS Formulator Guidance. When available, this safe use is ensured by evaluating the results of the chemical safety assessments as performed by the raw material suppliers. When no chemical safety assessment has been carried out by the supplier for an ingredient that contributes to the classification of the mixture, the formulator has performed a safety assessment himself.*

*Following Occupational Health legislation, the employer of workers that use products that are assessed as safe following GEIS conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, Generic Exposure Information Sheets should always be considered in combination with the SDS and the label of the product. The GEIS Guidance for End Users provides more information.*

*The A.I.S.E. is under no conditions liable for any damage, no matter of what kind, which is the direct or indirect consequence of acts and/or decisions (partly) based on the contents of this document.*

# SUMI: Example from CEPE (draft)

## SUMI Safe Use of Mixtures Information for end-users



Title: Professional spray painting, near-industrial setting

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

### General description of the process covered

Indoor spray painting by professionals with efficient ventilation such as spray booth or local exhaust ventilation

This safe use information is linked to SWED CEPE\_P\_01\_v1

### Operational Conditions

Maximum duration of individual exposure 4-8 hr, 225 d/y

Contributing activity	Ventilation*	Ventilation - air changes/hr
Preparation	Enhanced (mechanical) room ventilation	5-10
Loading	Enhanced (mechanical) room ventilation	5-10
Application	Local exhaust ventilation, spray booth or equivalent	See * below
Film formation (drying/curing)	Enhanced (mechanical) room ventilation	5-10
Cleaning	Enhanced (mechanical) room ventilation	5-10
Waste management	Enhanced (mechanical) room ventilation	5-10

\* Refer to relevant technical standards (EN 12215).

Note: This example is a draft and subject to change.

### Risk Management Measures

Contributing activity	Respiratory	Eye	Hands
Preparation	None	Use suitable eye protection according to EN 166	Wear suitable gloves tested to EN374
Loading	None	Use suitable eye protection according to EN 166	Wear suitable gloves tested to EN374
Application	Respirator with an assigned protection factor of at least 10 (selected in accordance with EN 529)	Use suitable eye protection according to EN 166	Wear suitable gloves tested to EN374
Film formation (drying/curing)	None - NO EXPOSURE FORESEEN	None - NO EXPOSURE FORESEEN	None - NO EXPOSURE FORESEEN
Cleaning	None	Use suitable eye protection according to EN 166	Wear suitable gloves tested to EN374
Waste management	None	Use suitable eye protection according to EN 166	Wear suitable gloves tested to EN374

See chapter 8 of this Safety Data Sheet for specifications.



### Disclaimer

The information in this Safe Use of Mixtures Information sheet is based on the data provided by the substance supplier for the substances in the product for which a chemical safety assessment has been carried out at the time of issue. It does not guarantee safe use of the product and does not replace any occupational risk assessment required by legislation. When developing workplace instructions for employees, SUMI sheets should always be considered in combination with the SDS and the label of the product.

No liability is accepted for any damage, no matter of what kind, which is the direct or indirect consequence of acts and/or decisions (partly) based on the contents of this document.

# SUMI: Example EFCC (draft)



Downstream Users of Chemicals Co-ordination group

<p><b>SUMI</b>  <b>Safe Use of Mixtures</b>  <b>Information for end-users</b></p>	
---	---

<p><b>Title:</b> Use of construction chemicals by spray application (high energy), indoor applications, RMM level III  <b>Version:</b> SUMI-EFCC-XYZ-May-2015</p>
---

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

**General description of the process covered**

The "SUMI-EFCC-li\_11\_i\_III-May-2015" is related to the "SWED\_EFCC\_li\_11\_i\_III-May-2015"

The mixed material is poured into the spraying equipment (airless) and sprayed onto the surface through a handheld nozzle, workers standing upright, indoors.

**Operational Conditions**

Maximum duration	1-4 h per shift
Range of application / Process conditions	indoor applications
Sector of use	For professional and/or industrial uses only!

**Risk Management Measures**

Use gloves and safety goggles.

Training of the worker in relation to proper use and maintenance of gloves must be ensured.

Use respiratory protection: air fed mask independent from ambient air

See chapter 8 of this Safety Data Sheet for specifications



**Note: This example is a draft and subject to change.**

<b>SUMI</b> <b>Safe Use of Mixtures Information for professional end users</b>	
---	--

**Title:** Professional large scale application of 1-component reactive adhesives and coatings<sup>1</sup> (FEICA SUMI\_Prof\_2)

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet (SDS) and labels.*

#### General description of the process covered

This "SUMI\_Prof\_2" is related to FEICA "SWED Professional 2".

Large area bonding operations with 1-component reactive adhesives (e.g. bonding of wooden floors, parquet and laminated floors or tiles). The adhesive is spread (e.g. by using a notched trowel or extruding beads) on the area where the elements will be bonded to.

Sector of Use: Professional uses (SU 22)

Process Categories: Roller application or brushing (PROC10)

#### Operational Conditions

Maximum duration	8 hours per day
Range of application / Process conditions	Indoor applications
Air exchange rate	Good ventilation (3-5 air exchanges per hour), e.g. open windows and doors

#### Risk Management Measures

Use safety goggles. In cases where occasional contact is expected, use protective gloves as recommended in section 8 of this SDS. Otherwise, to protect from unintentional splashes, disposable nitrile gloves are recommended if you remove contaminated gloves immediately.

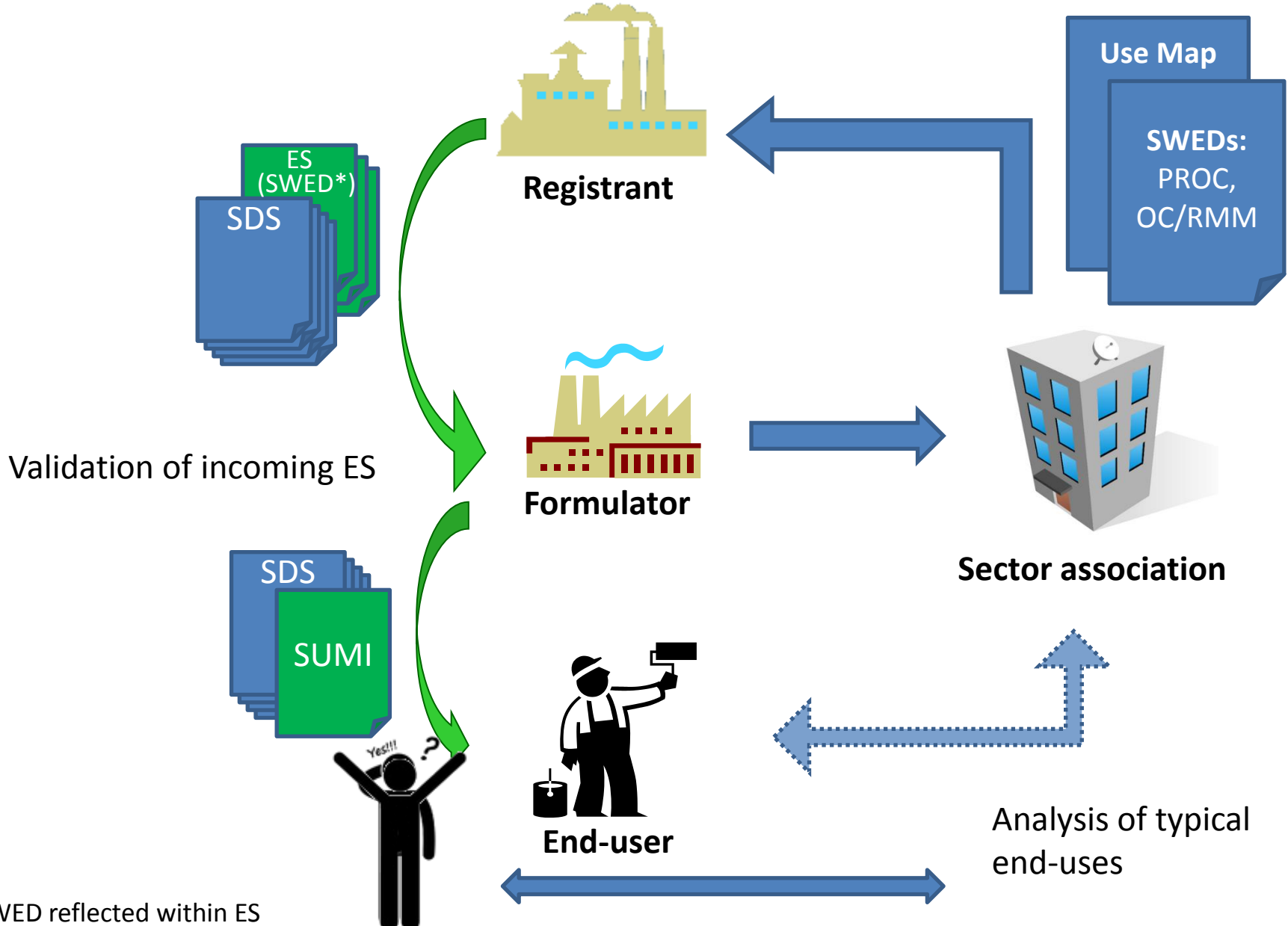


Note: This example is a draft and subject to change.

<sup>1</sup> FEICA SUMI\_Prof\_2\_V4\_May-2015



# Communication in the supply chain with SWED/SUMI approach



\*: SWED reflected within ES