DU Sectors: Safe Use of Mixtures Information (SUMIs)

State of play and next steps

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• DUCC members represent formulators of mixtures

• A sectorial “bottom-up” approach is suited to end use mixtures with clearly defined markets and uses
DUCC Safe Use of Mixtures Information: SUMI

• Actions in CSR/ES Roadmap
• Recap: The “Bottom-Up” approach
• SUMI methodology
• SUMI: agreed format
• Examples
• Next steps
• 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**.

• 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).
Current situation

Use Map
SPERCs
SCEDs
SU

Sector association

Analysis of typical end-uses

End-user

SDS

Formulator

SDS

Registrant

SDS

ES

SDS

ES
The “Bottom-Up” approach

- DU Sector associations: analysis of mixture end-uses

- Standardizing relevant OC/RMM* for majority of uses
  - Consistent safe use information downstream

- Upstream communication: SWEDs
  - Sector-specific Worker Exposure Description
  - ECETOC TRA input parameters (duration, PPE, ...)
  - Under construction! Part of action 2.3A
  - To be included in Improved Use Maps (Action 2.1, 2.7)

*: Operational Conditions (OC) and Risk Management Measures (RMM)
SUMI Methodology

SUMI: Safe Use of Mixtures Information

• **Simplified, tailored** information on safe use of mixtures

• One **SUMI** for each **SWED**

• **Use-oriented**: one SUMI for multiple products
  – **Consistent** communication to end users
  – Provided as **appendix** to, or **integrated within**, SDS of products

• **Does not** replace **SDS**!
  – SDS includes **product-specific** information (classification, specifications of PPE*, ...)

*: Personal Protective Equipment
The “Bottom-Up” approach

Validation of incoming ES to determine relevant SUMI!

*: SWED included within ES
Mixture work-flow

CLP screening: is the mixture classified?

- NO: Document.
- YES:
  - Is there a sectorial “bottom-up” approach that could be applicable?
    - NO: Cefic/VCI “top-down” approach
    - YES: DUCC “bottom-up” approaches
"Bottom-Up" work-flow

DUCC “bottom-up” approaches

Validation: do the substance ESs fit the SWED conditions?

YES

Select and send the applicable SUMIs

NO

Communicate SWED upstream

DU CSA or Cefic/VCI “LCID”

No SWED inclusion by supplier?

Validation: do the substance ESs fit the SWED conditions?

Select and send the applicable SUMIs

NO

Communicate SWED upstream

DU CSA or Cefic/VCI “LCID”

No SWED inclusion by supplier?

Validation: do the substance ESs fit the SWED conditions?

Select and send the applicable SUMIs
**SUMI: agreed format**

### Mandatory SUMI content

<table>
<thead>
<tr>
<th>SUMI: Safe Use of Mixtures Information for end-users</th>
<th>Sector logo</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sector_SUMI_code:</strong> Title of SUMI</td>
<td></td>
</tr>
<tr>
<td>General description of process covered</td>
<td></td>
</tr>
<tr>
<td><em>May include use descriptor codes or reference to SWED</em></td>
<td></td>
</tr>
</tbody>
</table>

### Operational Conditions

| Maximum duration: | xx min. |
| Other:            | xxx     |

### Risk Management Measures

- Required RMMs, use of pictograms

*Reference to Section 8 of SDS for RMM specifications*

*If applicable: any environmental measures*

### Disclaimer

*Disclaimer on boundaries of SUMI use*

### Optional SUMI content

<table>
<thead>
<tr>
<th>Good practice advice</th>
</tr>
</thead>
<tbody>
<tr>
<td>If relevant, applicable (sector-specific) good practice advice</td>
</tr>
</tbody>
</table>

*Use of pictograms when available*

### Additional information on product composition

To include references to other relevant sections of SDS or product label

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

SUMI
Safe Use of Mixtures
Information for end-users

Title: Use of construction chemicals by spray application (high energy), indoor applications, RMM level III

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

Operational Conditions

<table>
<thead>
<tr>
<th>Maximum duration</th>
<th>1-4 h per shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of application / Process conditions</td>
<td>Indoor applications</td>
</tr>
<tr>
<td>Sector of use</td>
<td>For professional and/or industrial uses only</td>
</tr>
</tbody>
</table>

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.
SUMI: Example FEICA

| Title: | Professional large scale application of 1-component reactive adhesives and coatings (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.
### SUMI: Safe Use of Mixtures Information for end-users

**AISE_SUMI_13.1.b.v1: Professional use of drain unblockers**

#### General description of the process covered
Use of drain unblocking products by professional end-users

*This information is linked to AISE_SWED_13.1.b.v1*

<table>
<thead>
<tr>
<th>Sector of use (SU):</th>
<th>22</th>
<th>Professional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Category (PROC):</td>
<td>13</td>
<td>Dipping &amp; pouring</td>
</tr>
</tbody>
</table>

#### Operational conditions

| 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 Celsius is used. No LEV needed; good general ventilation at workplace is sufficient. |

#### Risk management measures

**Conditions and measures related to personal protection equipment (PPE), hygiene and health evaluation and the environment**

- 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.

**Environmental measures**

- Prevent that the undiluted product reaches surface waters.

#### Good practice advice

- Don’t test or drink. Don’t smoke. No open flame.
- Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.
- Dilute with water and mop up.
- 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.

#### Additional information on product composition

In Section 2 of the SDS of products and on the label the classification of the undiluted products 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 GES 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 GES CSP documents is safe, according to the GES Formulator Guidance. When available, this safe use is ensured by evaluating the results of the chemical safety assessment 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 GES 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 GES 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.**

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

• Recurring
  – Assess links/synergies with other Roadmap activities
  – Compare outcome with results of Cefic/VCI LCId methodology

• 2Q-3Q 2015
  – Development of “Bottom-up” explanatory note (guidance)

• 4Q 2015 – 1Q 2016
  – Sectors to publish their SWEDs and SUMIs
  – Update to “improved” sector use maps
  – Development of Chesar input files for SWEDs
Thank you for your attention!

Questions?

Downstream Users of Chemicals Co-ordination group

www.ducc.eu