Downstream Users of Chemicals Co-ordination group

DU Sectors: Safe Use of Mixtures Information (SUMIs)

State of play and next steps

CSR/ES Roadmap

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NVZ / A.I.S.E. / DUCC Mixtures TF

ENES 8, 20 May 2015

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- DUCC members represent formulators of mixtures

- A sectorial “bottom-up” approach is suited to <u>end use</u> mixtures with clearly defined markets and uses

Content

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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

Actions in CSR/ES Roadmap

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- 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

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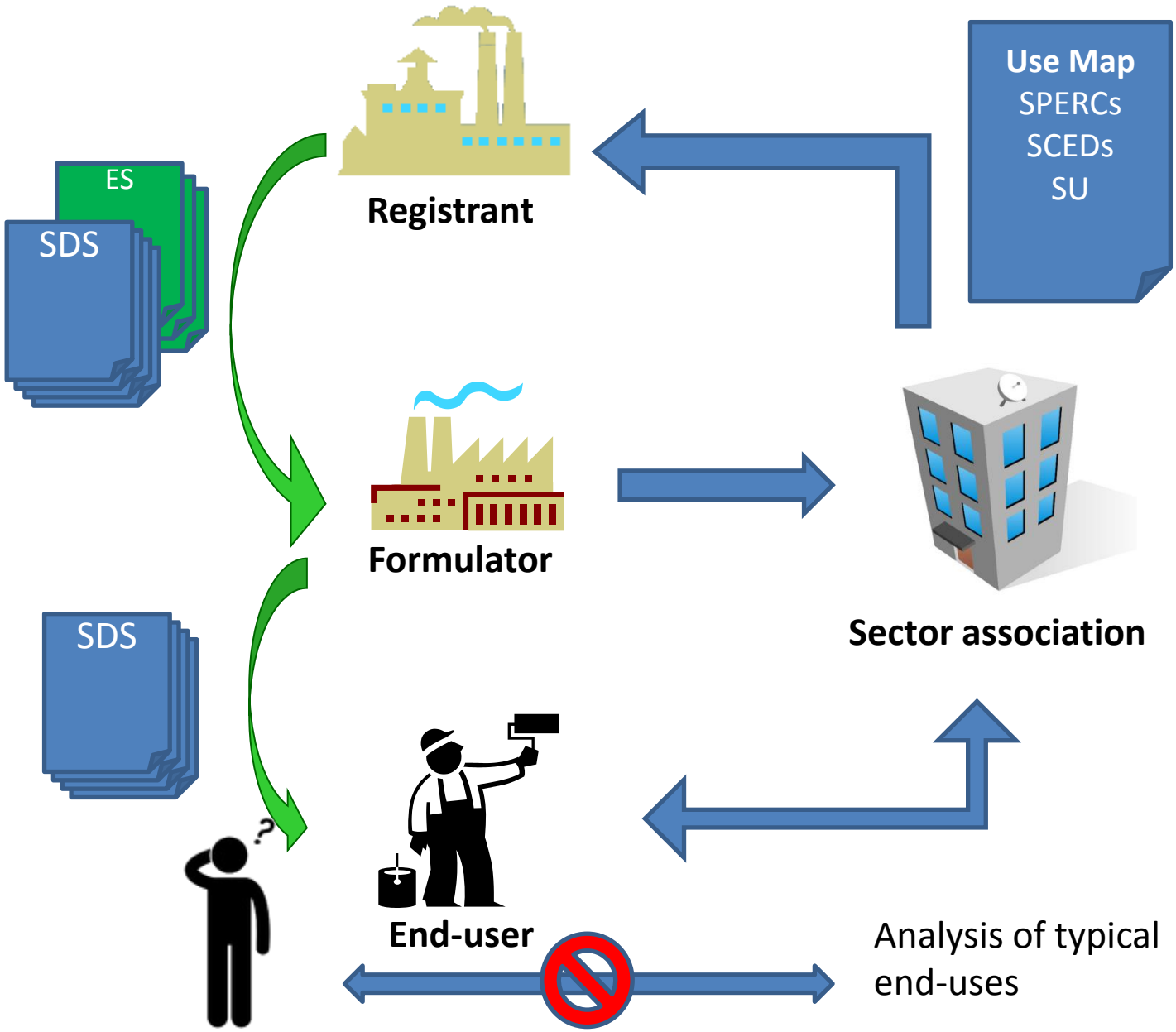

The "Bottom-Up" approach

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- 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

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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

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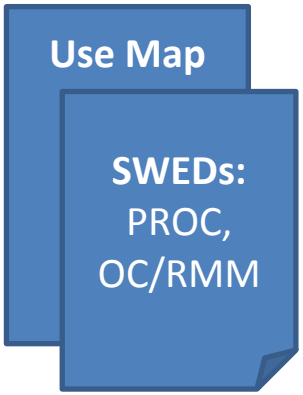
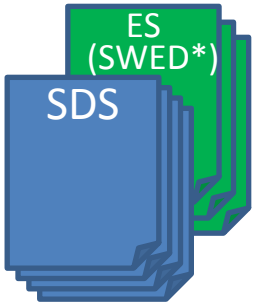
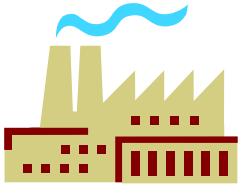
Registrant

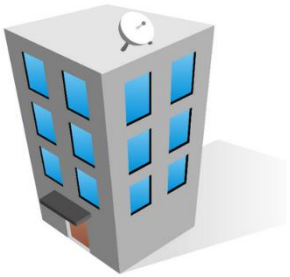




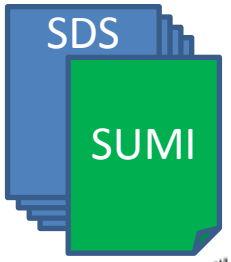
Validation of incoming ES to determine relevant SUMI!



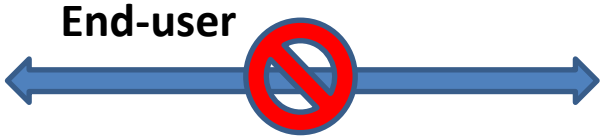
Formulator



Sector association



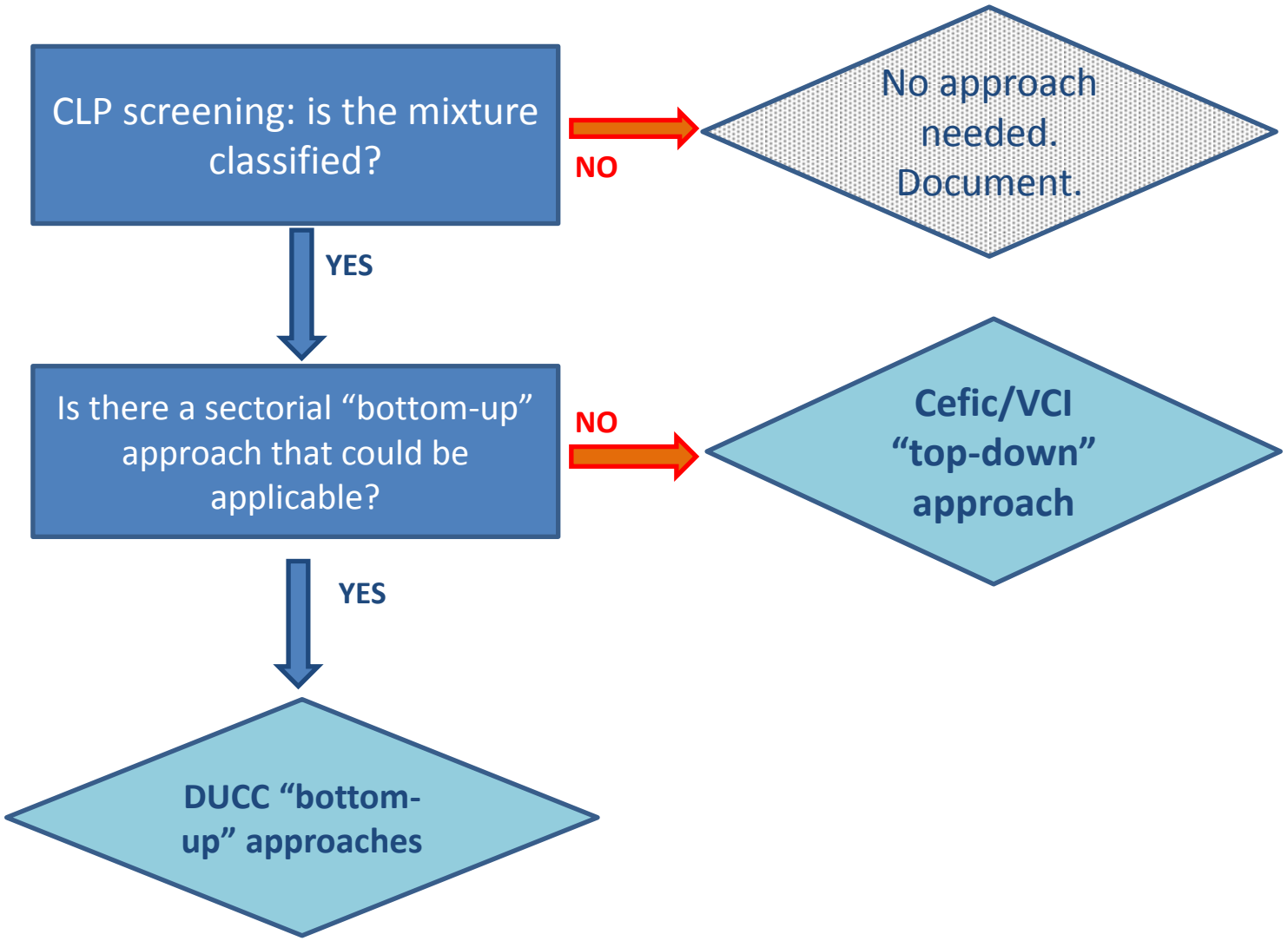
End-user



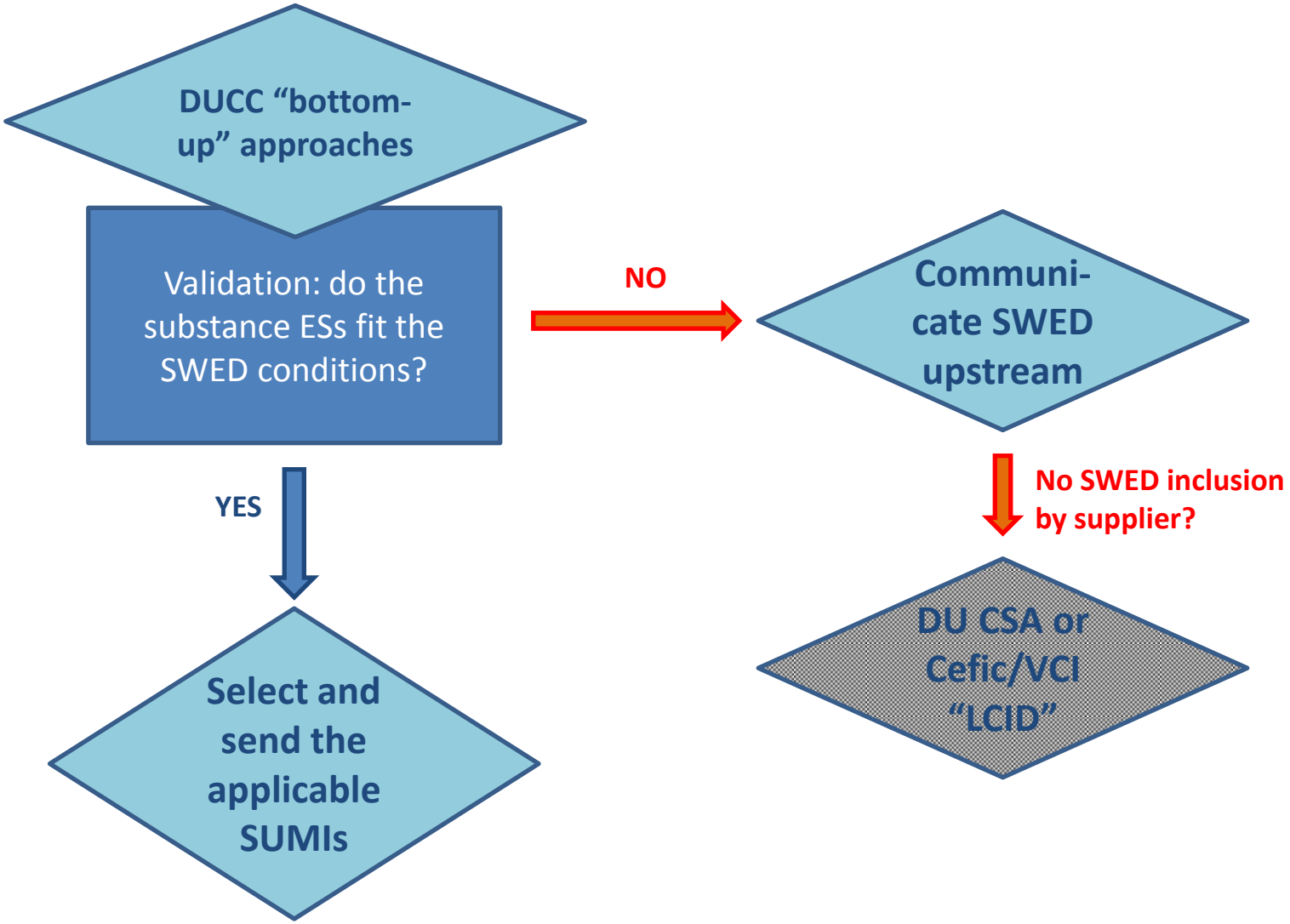
Analysis of typical end-uses

*: SWED included within ES

Mixture work-flow



“Bottom-Up” work-flow



SUMI: agreed format

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Mandatory SUMI content

SUMI: Safe Use of Mixtures Information for end-users	**Sector logo**
Sector_SUMI_code: Title of SUMI	
General description of process covered *May include use descriptor codes or reference to SWED*	
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	

Sector_SUMI_code / version number

Optional SUMI content

Good practice advice
If relevant, applicable (sector-specific) good practice advice
Use of pictograms when available 
Additional information on product composition
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.

SUMI: Example EFCC

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SUMI Safe Use of Mixtures Information for end-users	EFCC

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

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.

SUMI: Example FEICA

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SUMI
Safe Use of Mixtures Information for professional end users

FEICA

Title: **Professional large scale application of 1-component reactive adhesives and coatings[1] (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.

[1] FEICA SUMI_Prof_2_V4_May-2015

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

SUMI: Example AISE

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SUMI: Safe Use of Mixtures Information for end-users	A·I·S·E
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*	
Sector of use (SU): 22	**Professional**
Process Category (PROC) 13	**Dipping & pouring**

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 Celcius 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.

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

Good practise advice	
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.

Additional information on product composition
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 allegric 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.

Version: 2.0, May 2015

Next steps

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- **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?

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