

Safe use information in the extended Safety Data Sheet for a mixture Example 2

Safe use information annexed to the mixture SDS for a coating applied by spraying in construction works

This example is derived from a sector use-map based assessment and subsequent SUMI selection by the formulator.

The mixture is classified for systemic hazards (STOT RE 2), aquatic hazards (Aquatic Chronic 3) and skin/eye irritation. It contains two organic solvents at 20% and 25% with systemic inhalation DNELs (150 mg/m³ [33 ppm] and 220 mg/m³ [50 ppm]). Both solvents fall into the medium volatility band of the ECETOC TRA exposure assessment tool.

The format of the annexes corresponds to the Safe Use of Mixture Information for end-users (SUMI) as provided by EFCC (European Federation for Construction Chemicals) to their members.

The Annex to the mixture SDS includes the 3 SUMIs for the contributing activities, particularly relevant for the professional use of a coating. Based on the DNELs, the vapour pressure, the concentration of the two ingredient substances, and the anticipated time of the activities, SUMIs with the appropriate risk management level have been selected:

- Preparing the material by stirring/mixing (PROC 5) [RRM level 3]
- Transfer into spray equipment and application (PROC 8a) [RMM level 2]
- Application (PROC 11) [RMM level 3]

The example will be referred to in the workshop break-out session 1. It illustrates how safe-use advice for mixtures targeted to small- and medium-sized companies may look like in future. Your feedback on the clarity and appropriateness of the information provided is welcome.

Disclaimer

The example serves for illustration purpose in the context of the second workshop on REACH Review Action 3 on 23/24 September, 2019 in Helsinki. It must not be used outside this context.

Source: Sector SUMI library provided by EFCC for the Cefic/DUCC project on use map testing. Example under the ENES 2.4 project.

Safe Use of Mixtures Information for end-users (SUMI)



Title	Transfer of liquid construction chemicals, indoor Risk management measures: Level II
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Code	EFCC_SUMI_PW_li-8a-i-II_v2
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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

"EFCC_SUMI_PW_li-8a-i-II_v2" is related to the "EFCC_SWED_PW_li-8a-i-II_v2"

For two- or multi component systems, the remaining components are poured or scraped into the mixing pail. The mixed material is poured into another pail. Typical quantity per transfer activity: 10-50 kg. indoors.

Operational Conditions

Maximum duration	Transfer of components or mixed products: 15 min – 1 hour per shift
Air exchange rate	good ventilation, open windows and doors
Range of application / Process conditions	indoor applications
Sector of use	For professional and/or industrial uses only!

Risk Management Measures (RMM)

Use gloves and safety goggles.

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

*For specifications of personal protection equipment and/or technical RMM see section 8 of the Safety Data Sheet.
For the disposal of product residues and waste see section 13 of the Safety Data Sheet.*



Additional good practice advice

Wear apron to protect from splashes

Do not empty the product into drains / surface water / ground water.



Safe Use of Mixtures Information for end-users (SUMI)



Title	Mixing of liquid construction chemicals, indoor Risk management measures: Level III
Code	EFCC_SUMI_PW_li-5-i-III_v2

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

"EFCC_SUMI_PW_li-5-i-III_v2" is related to the "EFCC_SWED_PW_li-5-i-III_v2"

Liquid products/components are mixed prior to use by means of a suitable tool driven by a low-speed drill (max. 300 rpm) for approx. 3 minutes or until homogeneous. For two- or multi component systems, the remaining components are poured or scraped into the mixing pail and mixed as described for another 3 minutes or until homogenous. Typical quantity per mixing activity: 10-50 kg. indoors.

Operational Conditions

Maximum duration	Mixing of liquid components or products: maximum 4 hours per shift
Air exchange rate	good ventilation, open windows and doors
Local exhausted ventilation (LEV)	Required with an effectiveness of 80 %
Range of application / Process conditions	indoor applications
Sector of use	For professional and/or industrial uses only!

Risk Management Measures (RMM)

Use gloves and safety goggles.

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

*For specifications of personal protection equipment and/or technical RMM see section 8 of the Safety Data Sheet.
For the disposal of product residues and waste see section 13 of the Safety Data Sheet.*



Additional good practice advice

Wear apron to protect from splashes

Do not empty the product into drains / surface water / ground water.



Safe Use of Mixtures Information for end-users (SUMI)



Title	Use of construction chemicals by spray application (high energy), indoor Risk management measures: Level III
Code	EFCC_SUMI_PW_li-11-i-III_v2

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

"EFCC_SUMI_PW_li-11-i-III_v2" is related to the "EFCC_SWED_PW_li-11-i-III_v2"

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	Maximum 4 hours per shift
Range of application / Process conditions	indoor applications
Sector of use	For professional and/or industrial uses only!
Application technique	Airless spraying only

Risk Management Measures (RMM)

Use gloves and safety goggles.

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

Respiratory protection: air fed mask independent from ambient air

*For specifications of personal protection equipment and/or technical RMM see section 8 of the Safety Data Sheet.
For the disposal of product residues and waste see section 13 of the Safety Data Sheet.*



Additional good practice advice

Wear working clothes covering also arms and legs to protect from splashes

Do not empty the product into drains / surface water / ground water.



Disclaimer

This document has been developed using the best knowledge currently available and the information is provided in good faith. The use of the compiled information remains with each user, in view of their respective activities (as indicated below). EFCC and Deutsche Bauchemie are under no conditions liable for any damage of any nature whatsoever resulting from the use or reliance on this paper.

In case this product contains ingredients classified as hazardous to the environment, the use has been assessed to be safe for the environment. The assessment is based on the exposure parameters that are described for the product use in the corresponding SPERCs.

Regarding end-users

Following Occupational Health and Safety (OSH) legislation, the employer of workers that use products that are assessed as safe according to the EFCC SWEDs, remains responsible for communicating any other relevant use or safety information to the employees. When developing workplace instructions for employees, the Safe Use of Mixtures Information (SUMI) should always be considered in combination with the SDS and the label of the product. The information provided in the present document should not be changed by the recipient (employer). If specific changes are needed, for example on the Operational Conditions or Risk Management Measures, the concerned recipient should contact their supplier (formulator).

Regarding formulators

This is a generic document for the purpose of communicating safe use of a product to end-users. It should not be regarded by risk assessors as an exhaustive document for evaluating safe use. Formulators are responsible to proof safe use of their individual products based on risk assessments provided by their suppliers or performed by themselves. If such risk assessment correlates completely with the EFCC SWED mentioned above, this SUMI can be used unaltered for communication to end users.

Regarding use of Pictograms - Conditions of use

1. *The SUMI Pictograms may only be used in relation to formulations for which the sector-specific "bottom-up" approach from one of the DUCC members has been followed/applied.*
 2. *Uses*
 - a. *SUMI Pictograms may be used in the SUMIs*
 - b. *SUMI Pictograms may be used in the workplace instructions that employers develop under the Occupational Safety and Health legislation*
 - c. *SUMI Pictograms may be used on company website for providing safe use information of formulations for which the sector-specific "bottom-up" approach from one of the DUCC members has been followed/applied*
 3. *The SUMI pictograms must only be used in the form supplied by DUCC and must not be used in a modified form.*
 4. *The SUMI Pictograms must not be presented as if they were the trade mark or branding of an individual company.*
 5. *The SUMI Pictograms shall not be used for any formulation product which conflicts with the "bottom-up" approach as developed by DUCC.*
 6. *The SUMI Pictograms shall not be used in any way which is misleading, deceptive or confusing, or which abuses it or may bring it into disrepute.*
 7. *The SUMI Pictograms shall not be provided in exchange of money.*
 8. *DUCC reserves the right on due notice to withdraw the right of any person or company to use the SUMI Pictograms in the event of non-compliance with these conditions.*
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