

Advise for users of SPERCs for wide dispersive uses in CHESAR 2.1

Purpose of this document

This is to alert the users of CHESAR 2.1 that under certain circumstances workarounds may need to be applied when employing CHESAR SPERC files for the assessment of consumer and/or professional uses.

In addition, the workarounds are explained. Please note, that CHESAR 2.2 will be modified such that these workarounds are no longer necessary.

Which situations are affected?

- 1) Selecting CHESAR SPERC files for consumer uses in CHESAR 2.1.
- 2) Selecting CHESAR SPERC files for professional uses in CHESAR 2.1.
- 3) Refining the local release estimation in case of the SPERCs for wide dispersive uses of personal care products (Cosmetics Europe) and of detergents, cleaning and maintenance products (A.I.S.E. SPERCs)

The workarounds

1) Selecting CHESAR SPERC files for consumer uses in CHESAR 2.1.

Background:

In CHESAR 2.1 a pre-selection of the eligible ERCs is required prior to selecting the CHESAR SPERC file. The ERCs for wide dispersive uses distinguish between indoor and outdoor uses (See table below). Several SPERCs have been developed without this distinction.

| Possible SPERC coverage | Corresponding ERC for | |
|--|-----------------------|----------------|
| | indoor | outdoor |
| Wide dispersive use of processing aids in open systems | ERC8a | ERC 8d |
| Wide dispersive use of reactive substances in open systems | ERC 8b | ERC 8e |
| Wide dispersive use resulting in inclusion into or onto a matrix | ERC 8c | ERC 8f |
| Wide dispersive use of substances in closed systems | ERC 9a | ERC 9b |
| Wide dispersive use of long-life articles and materials with low release | ERC 10a | ERC 10b |
| Wide dispersive use of long-life articles and materials with low release | ERC 11a | ERC 11b |

What to do:

When performing, please pre-select the ERCs in bold type (outdoor) to open the drop down menu of the relevant SPERCs. Select and open the CHESAR SPERC file which is relevant for your assessment.

Obviously for SPERCs with indoor use only, the respective indoor ERC needs to be pre-selected.

2) Selecting CHESAR SPERC files for professional uses in CHESAR 2.1.

Background:

Currently, CHESAR 2.1 requires separate assessments (contributing scenarios) for each life-cycle stage. As a result, the assessment of a substance for a consumer use and a professional use need to be assessed separately. The currently available CHESAR SPERC files for wide dispersive uses are set up such that they can be used in CHESAR 2.1 for consumer uses.

What to do:

Upload the CHESAR SPERC file for the consumer use.

Copy and modify the SPERC by replacing the entry SU21 by SU22. Or alternatively, assess the professional use as a “consumer use” life cycle stage in CHESAR.

3) Refining the local release estimation in case of the SPERCs for wide dispersive uses of personal care products (Cosmetics Europe) and of detergents, cleaning and maintenance products (A.I.S.E.)**Background:**

For wide dispersive uses CHESAR 2.1. produces a local release estimation based on default values. Cosmetics Europe and A.I.S.E. have developed data for personal care products and for fabric and home care products, respectively, to refine the default-based estimation. The refined data for the release estimation needs to be entered manually into CHESAR, in order to actually make use of the refined emission assessment.

What to do - Personal care products

Overwrite default value of 'daily wide dispersive use' with refined value. Obtain refined value by dividing the default value by 5. This refinement factor is based on refined consumption pattern information for cosmetic and personal care products.

What to do - Fabric and home care products

Overwrite default value of 'daily wide dispersive use' with refined value. Obtain refined value by dividing the default value by 6.7. This refinement factor is based on refined consumption pattern information for detergent and maintenance products.