



Update features ConsExpo Web, version 1.0.5

November 2018

Below we summarize features added and issues addressed in ConsExpo Web after its release in October 2016.

Feature	description
<i>ConsExpo Web 1.0.5 – November 2018</i>	
Option to use a non-parametric particle size distribution, and bug fixes	In this version, the option to use non-parametric aerosol particle size distributions in spray model simulations is added. A bug in the reporting to excel, for some dermal models, is solved. A bug in the Chesar output, with regard to the information on the distribution type for aerosol particle size distribution is solved. An input feature for new or adapted default values for the fact sheet database is added, which makes it easier for RIVM to adapt defaults.
<i>ConsExpo Web 1.0.4 - October 2018</i>	
Defaults for 'airborne fraction' from erratum Cleaning Products Fact Sheet	The defaults for the input fields 'airborne fraction' in the spray exposure scenarios that consider all-purpose cleaner spray, bathroom cleaner spray, floor polish spray, furniture polish spray, leather maintenance spray and glass cleaner spray have been adapted as described in the Erratum to the Cleaning Products Fact Sheet 2018.
<i>ConsExpo Web 1.0.3 - February 2018</i>	
Bug fix	Error in exposure to vapour – evaporation model when exposure duration is 100x higher than emission duration, the model fails to execute and returns an error.
<i>ConsExpo Web 1.0.2 - January 2018</i>	
Peak exposure	For the inhalation models “exposure to spray” (instantaneous, spraying) and “exposure to vapour” (instantaneous release, constant release and evaporation) the estimation of the time-weighted average for 15 min at peak exposure is included.
Excel report	The copy function for the report is replaced by the functionality to download the input and output data as .csv file (which can be opened in excel).
Population characteristics	For the population characteristics body weight and inhalation rate, a 'select default' possibility is included. A selection can be made from Canadian defaults, ConsExpo fact sheet and EU Biocides Framework.

Defaults from updated Cleaning Products FS	The Cleaning Products Fact Sheet (Meesters et al. 2017, in preparation) is being updated. The adapted or new defaults are already included in the ConsExpo Web Fact Sheet default database. This includes the addition of a parameter for dilution in the “exposure to vapour – evaporation” model.
Duplicate scenario	Addition of the possibility to copy a scenario.
Preview of fact sheet defaults	Addition of a preview of the model and default values including the Q-factors are provided in a panel (as was in ConsExpo 4.1).
Further features	<ul style="list-style-type: none"> - Setting of the mass transfer coefficient as default to 10 m/hr - Inclusion of CAS nr at substance properties - Panel with assessments set at maximum size , with scroll bar - Possibility to include text in a comment box per exposure route (included as information in the report as well as in the export to Chesar)
<i>ConsExpo Web 1.0.1 – July 2017</i>	
Export functionality to Chesar	Creates output file which can be imported in Chesar
Various minor bugs	<ul style="list-style-type: none"> - Error message invalid lognormal distribution - Add units to x-axis distribution graphs - Error in emission model when using a distribution for product-air partition coefficient - Un caught error when using distribution for body weight - Runtime error when using spray model in combination with oral ingestion without specification of inhalation rate
Set ‘limit concentration to saturated air concentration’ default true in exposure to vapour instant release	Is the most appropriate default behaviour
Round-off errors when using distribution of very small particles in spray model	Solved by more refined sampling of the diameter distribution (not always over – 0-max diameter, but from mean – 3 sd’s to mean + 3 sd’s)
Exporting graphs to Excel	Export of graphs of the air concentration to Excel was required for further manipulation outside ConsExpo as suggested by Recommendations of the Ad hoc Working Group on Human Exposure for the exposure assessment of, for example, disinfectants.