

EMKG-Expo-Tool 2.0

The EMKG-Expo-Tool 2.0 is a first tier IT-tool to estimate the inhalation exposure at the workplace to fulfil the obligations arising from REACH. The tool uses a control banding approach, based on the “Easy-to-use workplace control scheme for hazardous substances (EMKG)“. Requiring only three input parameters, the tool's simple structure enables the user to distinguish quickly between critical and non-critical workplace situations. The tool offers a simplified approach to evaluate worker exposure and identify RMMs requiring a small number of input parameters. Thus the tool is easy to use and still allows quantitative exposure estimations.

The EMKG-Expo-Tool comprises nine different steps. In the first five steps the exposure potential of the relevant substance is determined. In step six the risk management measures implemented at the workplace are assigned to a control strategy. To support this selection, BAuA provides a set of REACH control guidance sheets. A combination of the exposure potential and the control strategy results in a specific exposure band which is displayed in step seven. This is followed by a comparison of the upper end of this exposure band with the Derived No Effect Level (DNEL) in step eight. The result provides a statement whether the risks at the workplace are adequately controlled within the scope of REACH. Finally, in step nine, a report is generated which summarises the input data as well as the results.

