

Explanatory notes with respect to EUSES (export) files for coal tar pitch high temperature (CAS No. 65996-93-2)

With respect to production for each individual site the EUSES calculations have been performed and a EUSES export file is available. The risk characterization is not provided in the EUSES export files but has been done in a spread sheet (Excel).

For the aluminium production sites (prebake and sodberg) and anode baking facilities, the actual calculation of C_{local} is based on the input data and calculated concentrations from the standard scenarios combined with site specific data. The calculations of the local concentrations for each relevant scenario (VSS I, VSS II, Anode I, II and Prebake) have been done in EUSES and are provided in export files for each scenario separately. The actual calculation of the local concentrations for each site has been extrapolated from the scenario results using the emission profiles and the resulting concentration profiles from the scenarios in combination with site specific emission factors for air and water either based on benzo[a]pyrene or total PAH. Please, note that the estimates for C_{local} (air and soil) for primary aluminium production plants have been adjusted according to OPS-Pro 4.1 calculations by applying a correction factor. The correction factor relates to differences in the source characteristics for aluminium production plants i.e. emission surface area instead of a point source and an emission height of 25 meters instead of the default of 10 meters, based on additional information from the industry. The actual calculation of the local concentration and the risk characterisation thus is not provided in the EUSES export files but has been done separately in a spread sheets (Excel).

For the down stream use scenario considering the use of coal tar pitch by the ferro-alloy industry (Ferro-alloy scenario) and the graphite electrode production industry (Graphite II), separated EUSES export files have been included. The risk characterisation is not provided in the EUSES export files but has been done separately in a spread sheet (Excel).