

Question: why electric decomposition is better than thermal decomposition?

Answer: electric decomposition is better, because it's less expensive, we use less capital costs to provide it.

Thermal decomposition usually includes high temperatures, in industrial conditions pyrolysis is carried out at temperatures of 800-900 ° C and even 1400-1600 °C at pressures of atmosphere. To provide such temperature we must use a lot of electricity, also our equipment must be built with such material, which can handle high temperatures. All this and more other facts leads to large capital expenditure.

From chemical point of view, title compound can be obtained by electric decomposition and by thermal decomposition. Electric better, when we already have a solution of current substance. Thermal using in large-tonnage production for pyrolysis hydrocarbons. Selectivity higher in electric decomposition.