

## Hypercrosslinked Polymeric Particles with Highly Specific Surface Area obtained Dichloro p-Xylene in Emulsion System

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Hypercrosslinked polymeric particles with high specific surface area and small ( $< 10\text{nm}$ ) pores were synthesized by Friedel-Crafts reaction in emulsion system. The system at initial state consisted medium with surfactant and organic phase of dichloroethane (DCE) and dichloro p-xylene (DCpX). The organic mixture was converted particles in micelles by Friedel-Crafts catalyst (i.e. ferric chloride). The final products showed spherical and monodispersed particles, which is possible to use conventional applications and new energy storage field. Particle size and size distribution were characterized by CHDF and DLS. SEM was measured for the morphology of the particles with nanopores. The pore size and specific surface area of the hypercrosslinked polymeric particles were obtained by BET method.