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(54) Title: AQUEOUS POLYMER DISPERSION

(57) Abstract: This invention relates to a process for preparing an aqueous dispersion of water insoluble polymer particles comprising: a) preparing by polymerisation an aqueous dispersion of water insoluble particles of a heteropolymer including monomeric units of a reactive amphiphile having a cloud point and monomeric units of a hydrophilic monomer, said polymerisation being conducted in the presence of a stabilising agent and the reactive amphiphile and at a temperature above the cloud point of said amphiphile, and b) cooling said aqueous dispersion to a temperature below the cloud point of the reactive amphiphile such that the viscosity of the aqueous dispersion increases. The invention also relates to aqueous dispersions of water insoluble heteropolymer particles which incorporate units of reactive amphiphile.

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