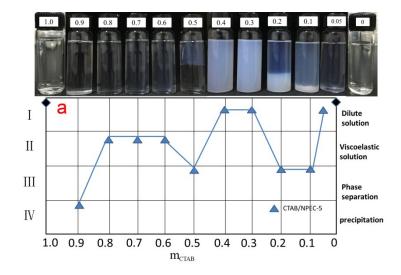
Supporting Information

The rheological characteristics for mixtures of cationic surfactant and anionic-nonionic surfactants: the role of ethylene oxide moieties

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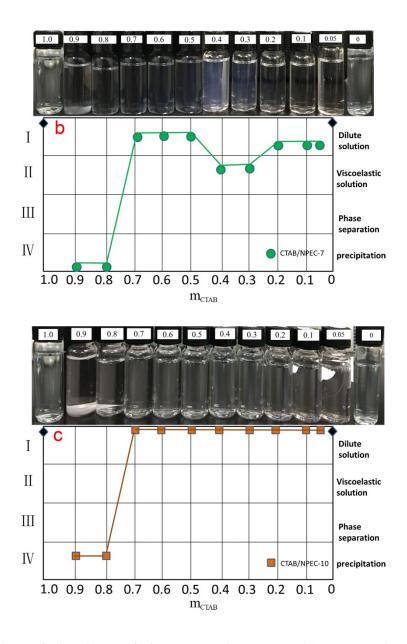


Fig. S1 Phase behaviors of the CTAB/NPEC-5 (a), CTAB/NPEC-7 (b) and CTAB/NPEC-10 (c) solutions at various mass ratios (I, I, II, II and IV represent the regions of the dilute solution, viscoelastic solution, phase separation and precipitation, respectively. 25 °C).

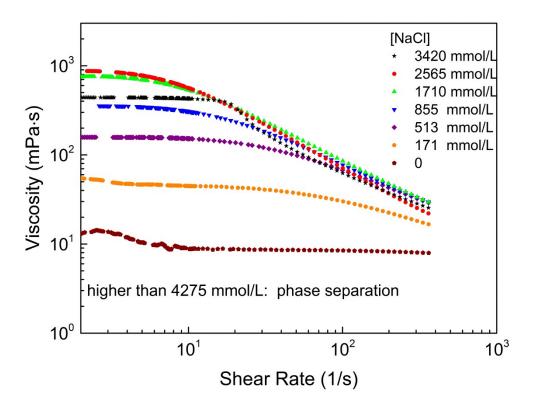
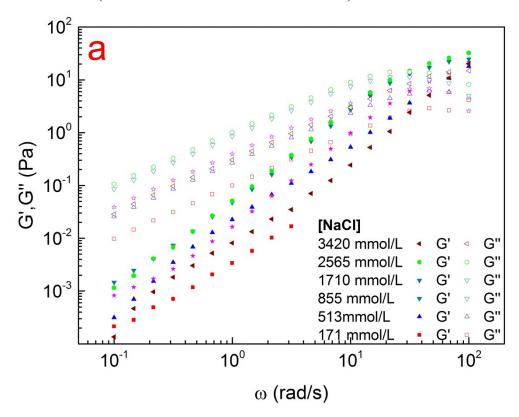


Fig. S2 Steady rheological curves of CTAB/NPEC-5 at various NaCl concentrations (total concentration is 75 mmol/L)



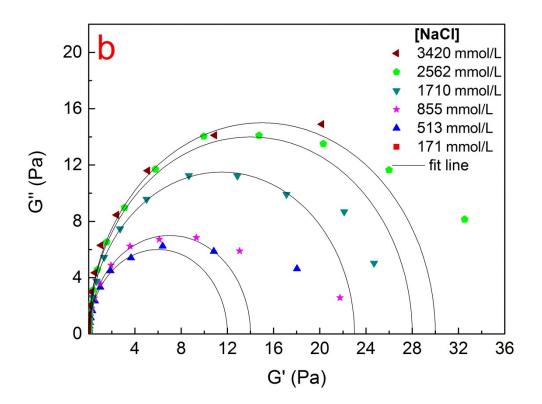


Fig. S3 (a) Dynamic rheology curves of CTAB/NPEC-5 with NaCl and (b) Cole-Cole curves at different concentrations of NaCl (total concentration is 75 mmol/L).

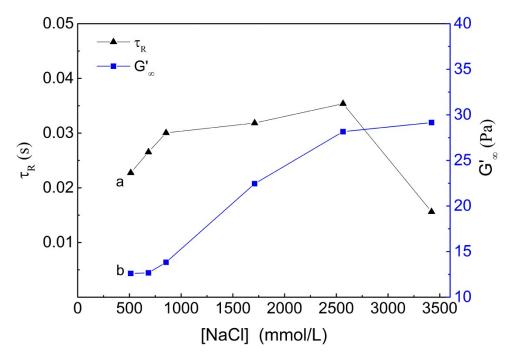


Fig. S4 The relaxation time and the plateau modulus vary with the concentration of NaCl for CTAB/NPEC-5 solutions.