

Enhanced Stabilization of Vesicles Formed in Mixed Cationic and Anionic Surfactant Systems by Compressed Gases

Wei Li, Jianling Zhang*, Buxing Han*, Yueju Zhao

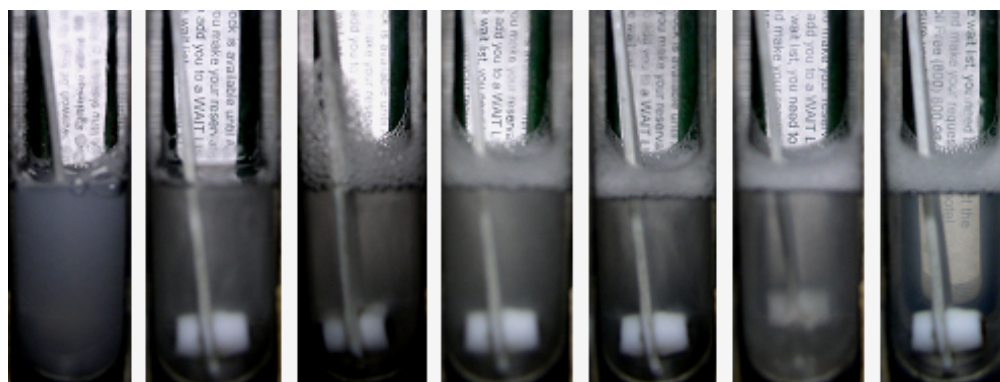
CAS Key Laboratory of Colloid, Interface and Chemical Thermodynamics, Beijing

National Laboratory for Molecular Sciences, Institute of Chemistry, Chinese

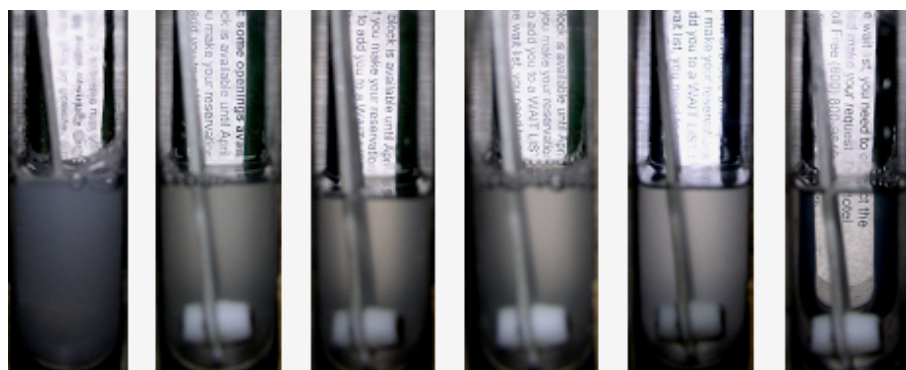
Academy of Sciences, Beijing 100190, China

*Corresponding author, Tel: +86-10-62562821, Fax: +86-10-62559373, e-mail:

zhangjl@iccas.ac.cn; Hanbx@iccas.ac.cn



CH₄, 0 2.26 4.05 6.32 8.02 10.03 11.75 MPa



C₂H₆, 0 2.01 2.30 2.52 3.00 3.21 MPa

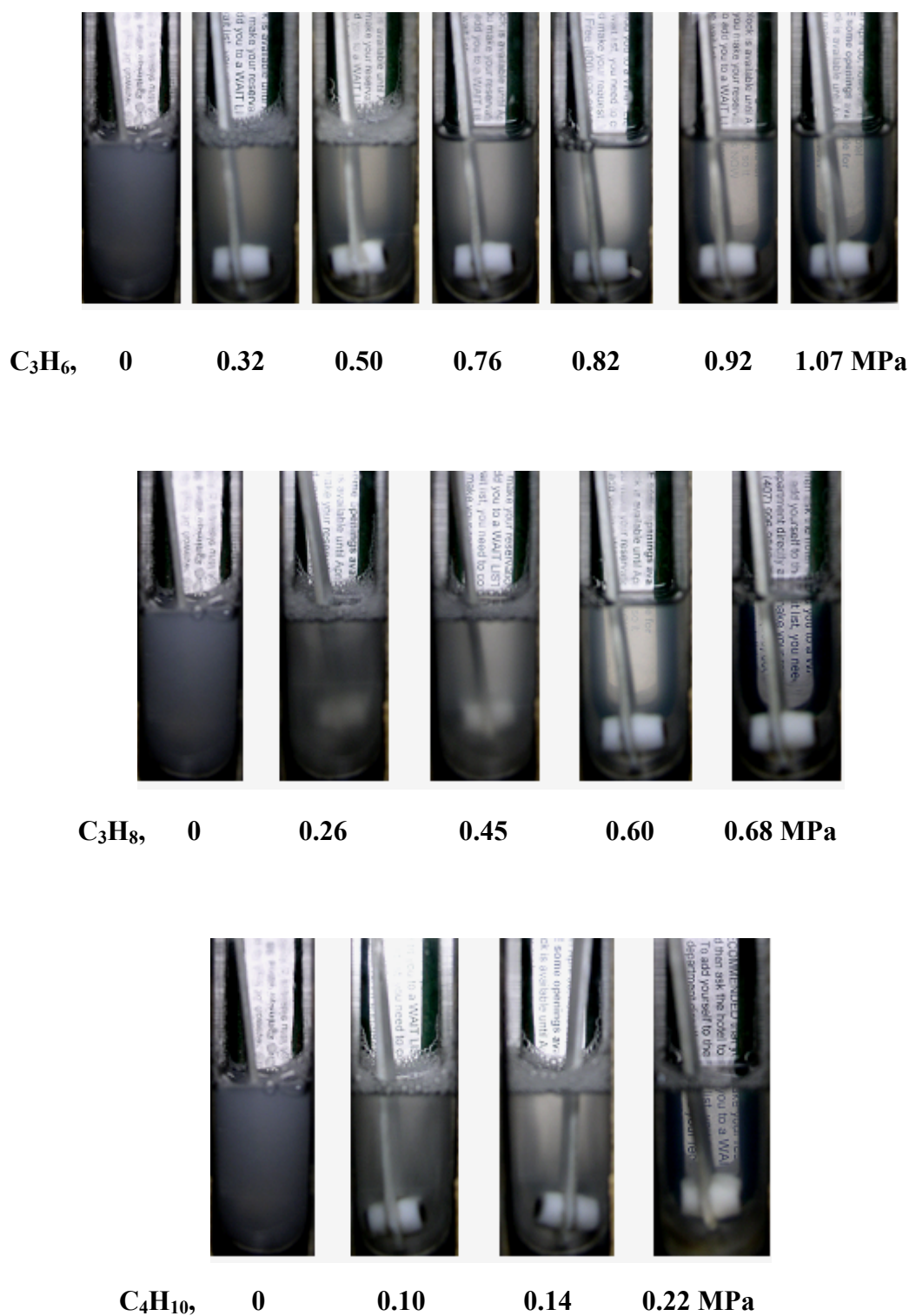


Fig. S1 Photographs of DTAB/SDS aqueous solutions in the presence of different gases.

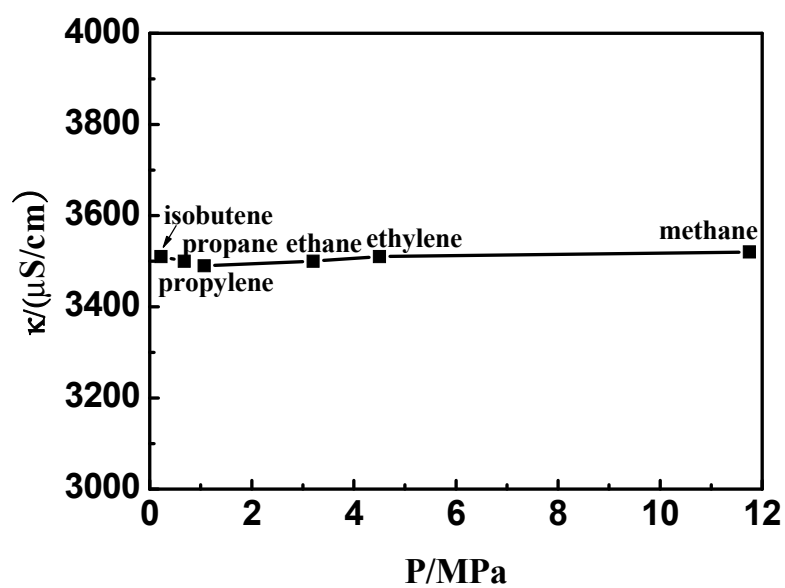


Fig. S2 Dependence of conductivities variations with various gases at their critical vesicle pressures.