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SEPARATION SCIENCE & ENGINEERING

偶联阳离子表面活性剂和常用阴离子表面活性剂混合溶液的相分离和微观结构

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RET. The properties of aqueous two-phase system (ATPS) of mixed solution containing gemini cationic surfactant trimethylene-I,3-bis(dodecyldimethyl ammonium) bromide (12-3-12, 28r-)
and traditional anionic surfactant sodium dodecyl sulfate (SDS) with or without added salt have been studied. An ATPS is formedin a narrow region of the tenary phase diagram different from that of traditional aqueous cationicanionic surfactant systems. In ATPS region, the lowest total concentration of surfactants varies with the mixing ratio of prepare staining and transmission electron microscopy show that the microscopy show that the mixing ratio of the dead of the region of the tenary phase. The addition of salts can change the phase diagram of ATPS. Furthermore, the added salts promote the aggregation of rodlike microlles to form coarse networks structure that increase the viscosity of solutions. The negative is are the determining factor.

 关键词
 <u>分离相</u>
 微观结构
 表面活性剂
 阻离子
 二份染色体
 则离子

 分类号

Phase Separation and Microstructure of Mixed Surfactants Solution Containing Cationic Geminis and Traditional Anionic Surfactant SHANG Yazhuo, LIU Honglai, HU Ying

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Abstract The properties of aquous two years (ATRS) of mixed solution containing gemini cationic surfactuant trimethylene-L3-bic(dodecyldimethyl ammonium) bromide (12-5-12, 2BrAbstract The properties of aquous two years have system (ATRS) of mixed solution containing gemini cationic surfactuant trimethylene-L3-bic(dodecyldimethyl ammonium) bromide (12-5-12, 2BrAbstract The properties of a properties of the properties of the properties of the terms of the surface diagram different from the of traditional aspectors cationic surfactuant posts. In ATRS report, the lowest tested concentration of surfactuant varies with the mixture size with the mixture of the properties of

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