

〈特別講演〉

エ マ ル シ ョ ン

——既存の界面活性剤の高機能化, 新機能化をはかるためには——

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Emulsions

—How to increase the efficiency of ordinary surfactants—

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Abstract

To improve the performance of surfactant such as emulsification, solubilization, dispersing solid materials, lowering surface and interfacial tensions, *etc.*, it is important to choose an appropriate combination of ordinary surfactants. In this article, we reviewed the general surfactant phase behavior in water, the general property of microemulsions, the new method for preparation of high-internal-phase-ratio emulsion (HIPRE), the preparation and the property of reverse vesicles which are the counter structure of normal vesicles.

Key words: surfactant, phase behavior, microemulsions, high-internal-phase-ratio emulsion, reverse vesicles.