

Synthetic Surface Active Agents (Surfactants)

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I-A. Syntheses

I-A-I. Hydrocarbon Surfactants

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Synthesis of Novel Anionic Surfactants Possessing Two Ferrocenylalkyl Chains.

Norio YOSHINO, Hideki SHOJI, Yukishige KONDO, Yasushi KAKIZAWA, Hideki SAKAI, Masahiko ABE, *Journal of Japan Oil Chemists' Society*, **45** (6), 569-576 (1996).

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Syntheses of Azobenzene Derivatives Having Fluoroalkyl Chain and Their Monomolecular Film Formation at the Air/Water Interface.

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Surfactants Having Polyfluoroalkyl Chains. II. Syntheses of Anionic Surfactants Having Two Polyfluoroalkyl Chains Including Trifluoromethyl Group at Each Tail End and Their Flocculation-Redispersion Ability for Dispersed Magnetite Particles in Water .

Norio YOSHINO, Munetoshi MORITA, Atsushi ITO, Masahiko ABE, *Journal of Fluorine Chemistry*, **70**, 187-191 (1995).

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Norio YOSHINO, Satoru ASANO, Yukishige KONDO, Masahiko ABE, *Journal of Japan Oil Chemists' Society*, **45** (2), 171-179 (1996).

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I-A-IV. Hybrid Surfactants (Hydrocarbon and Fluorocarbon)

Syntheses of Hybrid Anionic Surfactants Containing Fluorocarbon and Hydrocarbon Chains.

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II. Surface Active Actions of Surfactants

II-A-I. Micelle Formation (Single Surfactant)

Dielectric Constants and Electrical Conductivities of Sodium Dodecyl Sulfate in Aqueous Solutions.

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II-A-II. Mixed Surfactant Systems (Both Hydrocarbon Surfactants)

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II-A-III. Mixed Surfactant Systems (HC Surfactants and FC Surfactants)

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