Electronic Supplementary Material (ESI) for Soft Matter

Wormlike Reverse Micelles

Gerardo Palazzo

Table S1

List of the organic solvents in which the water addition induces the jellification of lecithin solutions. W_0(gel) denotes the onset of gel formation (mole ratio water/lecithin) as judged by visual inspection (data are from P.L. Luisi, R. Scartazzini, G. Haering, P. Schurtenberger, *Colloid Polym. Sci.* 1990, **268**, 356.

"W_0 Phase separation" denotes the maximum W_0 attainable before the system phase separates (the value has been found by judged by visual inspection and should be taken with ±15%)

Solvent	W_0(gel)	W_0 Phase separationS	Nature of phase separation
Ethyl laurate 4			
Butyl laurate 7			
Ethyl myristate 5			
Isopropyl myristate 4			
Isopropyl palmitate	3	5	L_α+gel
Butyl stearate 3			
Ethyl oleate	4	6.5	L_α+gel
Ethyl erucate 2			
Ethyl pentadecanoate 4			
Isooctane	3	5	gel+oil
Cyclopentane	8	23	L_2+H_2O
Cyclohexane	6	24	L_2+H_2O
Cycloheptane	7	30	L_2+H_2O
Cyclooctane	7	31	L_2+H_2O
Cyclodecane	12	26	L_2+H_2O
Methyl cyclohexane 7			
Tert.-butyl cyclohexane 4			
Bicyclohexyl 4			
Phenylcyclohexane 12			
1.3.5.-triisopropylbenzene 3			
Octylbenzene 6			
Trans-decaline 5			
N-pentane	3	7	gel+oil
N-hexane	3	6.5	gel+oil
N-heptane	2	6	gel+oil
N-octane 2	2	5	gel+oil
N-nonane 2			
N-decane	2	4	gel+oil
N-undecane 2			
N-dodecane	1	3	gel+oil
N-tridecane 1			
N-tetradecane	2	3	gel+oil
N-pentadecane 1			
N-hexadecane 1			
N-heptadecane 1			

2.3-dimethyl butane 4			
1-hexene 6			
1-octene 4			
1.7-octadiene 7			
paraffin 0			
(1R)-(+)-trans-pinane 6			
(1R)-(+)-cis-pinane 10			
(1S)-(-)-trans-pinane 4			
(1S)-(--)-a-pinane 4			
tripropylamine 4			
tributylamine 2			
triisobutylamine 3			
trioctylamine 2			
N,N-dioctylamine 2			
Dibutyl ether 6			
2-dodecen-l-ylsuccinic anhydride 6			