

Technical Facts on BioSolve®

CMC formation % of solubilization of Pyrene @ % Concentration

0.05% v/v	% -0.05	1.58 +/- 0.26
	%-0.10	1.72 +/- 0.26
	%-0.25	3.55 +/- 2.13
	%-0.50	8.63 +/- 2.27
	%-1.00	17.61 +/- 1.61

*Influence of Surfactants on Pyrene Desorption and Degradation in Soils -
UC Riverside Department of Soil and Environmental Sciences*

Surface Tension	<u>Water*</u>	<u>BioSolve 0.02% v/v*</u>	<u>BioSolve 6%</u>
	72 dyne/cm	31 dyne/cm	29.1 dyne/cm

**Anionic Surfactant Enhanced Hydrocarbon Degradation by Pure Strains and Bran Sorbed
Microbial Consortia - University of Alabama*

**Phosphate Buffered Solution*

**Size distribution of dispersed Octadecane by Molecular Weight (MW) in the
presence of BioSolve® above CMC value:**

BioSolve®
41% > 300,000 MW
59% < 300,000 MW but > 30,000 MW

*†The lower the MW, the smaller the particle size
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Solubility & Dispersion of Octadecane @ CMC Values

0.05/ v/v >50 mg/l
0.20% v/v >75 mg/l
1.0 % v/v >300 mg/l

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