

TABLE III. Viscosity of mixtures as function of concentration and pressure.

Pressure (kg/cm ²)	Log η/η_0 30°	Log η/η_0 75°	Pressure (kg/cm ²)	Log η/η_0 30°	Log η/η_0 75°	Pressure (kg/cm ²)	Log η/η_0 30°	Log η/η_0 75°	Pressure (kg/cm ²)	Log η/η_0 30°	Log η/η_0 75°
1. n-HEXANE CARBON DISULPHIDE											
	31.8 mole % C ₆ H ₁₄ log $\eta_0 = 0.508$			58.2 mole % C ₆ H ₁₄ log $\eta_0 = 0.470$						85.7 mole % C ₁₀ H ₂₂ log $\eta_0 = 0.768$	
1	0.000	0.103	1	0.000	0.153	1	0.000	0.196	1	0.000	0.186
500	0.104	0.003	500	0.134	0.036	500	0.199	0.016	500	0.199	0.016
1000	0.202	0.089	1000	0.248	0.141	1000	0.362	0.110	1000	0.362	0.110
2000	0.371	0.242	2000	0.442	0.323	2000	0.642	0.367	2000	0.642	0.367
4000	0.644	0.471	4000	0.739	0.606	4000	0.909	0.585	4000	0.909	0.585
6000	0.849	0.660	6000	0.972	0.822	6000	1.170	0.783	6000	1.170	0.783
8000	1.031	0.830	8000	1.210	1.000	8000			8000	1.061	0.754
10000	1.239	1.015	10000	1.447	1.164	10000			8000	1.061	0.758
	13.4 mole % C ₆ H ₁₄ log $\eta_0 = 0.529$			4.9 mole % C ₆ H ₁₄ log $\eta_0 = 0.537$						19.7 mole % C ₁₀ H ₂₂ log $\eta_0 = 0.503$	
1	0.000	0.141	1	0.000	0.117	1	0.000	0.151	1	0.000	0.135
500	0.093	0.041	500	0.093	0.041	500	0.175	0.010	500	0.175	0.010
1000	0.165	0.050	1000	0.165	0.050	1000	0.328	0.163	1000	0.328	0.163
2000	0.339	0.201	2000	0.339	0.201	2000	0.581	0.363	2000	0.581	0.363
4000	0.574	0.444	4000	0.574	0.444	4000	0.791	0.549	4000	0.791	0.549
6000	0.740	0.633	6000	0.740	0.633	6000	0.970	0.749	6000	0.970	0.749
8000	0.902	0.749	8000	0.902	0.749	8000	1.109	0.900	8000	1.109	0.900
10000	1.109	0.900	10000	1.109	0.900	10000			8000	0.926	0.705
	20.2 mole % C ₆ H ₁₄ log $\eta_0 = 0.498$			46.4 mole % C ₆ H ₁₄ log $\eta_0 = 0.470$						13.5 mole % C ₁₀ H ₂₂ log $\eta_0 = 0.462$	
1	0.000	0.117	1	0.000	0.124	1	0.000	0.137	1	0.000	0.231
500	0.100	0.024	500	0.100	0.024	500	0.187	0.017	500	0.187	0.017
1000	0.195	0.060	1000	0.195	0.060	1000	0.336	0.157	1000	0.336	0.157
2000	0.349	0.106	2000	0.349	0.106	2000	0.570	0.377	2000	0.570	0.377
4000	0.599	0.427	4000	0.599	0.427	4000	0.769	0.557	4000	0.769	0.557
6000	0.791	0.618	6000	0.791	0.618	6000	0.954	0.710	6000	0.954	0.710
8000	0.979	0.789	8000	0.979	0.789	8000			6000	0.921	0.597
10000	1.201	0.831	10000	1.201	0.831	10000			6000	1.198	0.781
	41.1 mole % C ₆ H ₁₄ log $\eta_0 = 0.484$			82.9 mole % C ₆ H ₁₄ log $\eta_0 = 0.452$						77.0 mole % C ₁₀ H ₂₂ log $\eta_0 = 0.731$	
1	0.000	0.132	1	0.000	0.111	1	0.000	0.204	1	0.000	0.204
500	0.126	0.024	500	0.126	0.024	500	0.181	0.004	500	0.181	0.004
1000	0.226	0.075	1000	0.226	0.075	1000	0.340	0.115	1000	0.340	0.115
2000	0.407	0.247	2000	0.407	0.247	2000	0.629	0.364	2000	0.629	0.364
4000	0.669	0.499	4000	0.669	0.499	4000	0.876	0.574	4000	0.876	0.574
6000	0.900	0.705	6000	0.900	0.705	6000	1.112	0.767	4000	1.112	0.767
8000	1.100	0.886	8000	1.100	0.886	8000			4000	1.112	0.767
10000	1.332	1.057	10000	1.332	1.057	10000					
	73.5 mole % C ₆ H ₁₄ log $\eta_0 = 0.440$			54.7 mole % C ₆ H ₁₄ log $\eta_0 = 0.465$						4. n-HEXANE CHLOROBENZENE	
1	0.000	0.158	1	0.000	0.119					49.0 mole % C ₆ H ₅ Cl log $\eta_0 = 0.563$	
500	0.151	0.000	500	0.151	0.000					75.5 mole % C ₆ H ₅ Cl log $\eta_0 = 0.681$	
1000	0.279	0.128	1000	0.279	0.128					1	
2000	0.492	0.330	2000	0.492	0.330					500	
4000	0.820	0.610	4000	0.820	0.610					1000	
6000	1.080	0.828	6000	1.080	0.828					2000	
8000	1.326	1.035	8000	1.326	1.035					4000	
10000	1.606	1.258	10000	1.606	1.258					6000	
	65.1 mole % C ₆ H ₁₄ log $\eta_0 = 0.455$			35.4 mole % C ₆ H ₁₄ log $\eta_0 = 0.361$						8000	
1	0.000	0.133	1	0.000	0.110					1	
500	0.160	0.002	500	0.129	0.009					500	
1000	0.239	0.115	1000	0.247	0.120					1000	
2000	0.470	0.310	2000	0.450	0.313					2000	
4000	0.765	0.590	4000	0.771	0.605					4000	
6000	1.036	0.805	6000	1.049	0.830					6000	
8000	1.290	1.000	8000	1.320	1.039					8000	
10000	1.520	1.220	10000	1.601	1.244					10000	
				54.8 mole % C ₆ H ₁₄ log $\eta_0 = 0.354$							
				41.8 mole % C ₆ H ₁₄ log $\eta_0 = 0.354$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				33.1 mole % C ₆ H ₁₄ log $\eta_0 = 0.349$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				88.8 mole % C ₆ H ₁₄ log $\eta_0 = 0.401$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				10.2 mole % C ₆ H ₁₄ log $\eta_0 = 0.324$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				34.6 mole % C ₆ H ₁₄ log $\eta_0 = 0.348$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				55.9 mole % C ₆ H ₁₄ log $\eta_0 = 0.371$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				29.8 mole % C ₆ H ₁₄ log $\eta_0 = 0.359$							
				1							
				500							
				1000							
				2000							
				4000							
				6000							
				8000							
				10000							
				12000							
				20.8 mole % C ₆ H ₁₄ log $\eta_0 = 0.352$							
				1							
				500							