Arrhenius viscosity blending equation

(1) $$\ln \mu_{12} = x_1 \cdot \ln \mu_1 + x_2 \cdot \ln \mu_2$$

where

μ_{12}	dynamic viscosity of fluid mixture	μ_1	dynamic viscosity of the 1s^t fluid component	μ_2	dynamic viscosity of the 2nd fluid component
		x_1	mole fraction of the 1st fluid component	x_2	mole fraction of the 2nd fluid component

The most straightforward generalization is provided by Lederer-Roegiers equation.

See also

Physics / Fluid Dynamics / Fluid Mixing Rules / Mixing Rules for Viscosity