

Dielectric Relaxation of Three Ethanolamines

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Relaxation spectra have been measured at 20 °C for mono-, di- and triethanolamine in the pure liquid state and in a 0.6 mole fraction mixture with 1,4-dioxane. The general resemblance to the dielectric behaviour of alcohols and aminoalcohols shows that relaxation is governed by association effects. In this regard, several features point to significantly differing behaviour of the mono compound in comparison with both di- and triethanolamine.

Key words: Association; Dielectric Spectroscopy; Hydrogen Bonding; Liquids.