

**IR spectroscopic study of the hydrogen bond network  
in the water–3-amino-1-propanol system and its comparison with the spatial  
network of hydrogen bonds in the water–monoethanolamine system**

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**Table S1.** Physicochemical properties of 3AP, MEA and H<sub>2</sub>O

|  | 3AP   | MEA   | H <sub>2</sub> O |
|--|-------|-------|------------------|
| M  | 75    | 61    | 18               |
| m.p., °C   | 11    | 10.3  | 0                |
| b.p., °C   | 187   | 170   | 100              |
| T <sub>supercool.</sub> °C                                     | 43    | 38    | 40               |
| $\Delta_{\text{vap}}H$ , kJ/mol                                | 49.59 | 49.83 | 40.66            |
| $\mu$ (25°C), D  | 2.67  | 2.27  | 1.83             |
| $DN_{\text{sbCl}_5}$   | 43    | 41    | 18               |
| $\rho$ (25°C), (kg/m <sup>3</sup> ·10 <sup>3</sup> )           | 0.982 | 1.012 | 0.997            |
| $\eta$ (25°C), (Pa·s·10 <sup>-3</sup> )                        | 27.70 | 18.95 | 0.8903           |
| $\beta_{\text{r}}$ (25°C), Pa <sup>-1</sup> ·10 <sup>-11</sup> | 38.92 | 39.60 | 46.32            |