

<b>COMPONENTS:</b> (1) 2,3-Dimethyl-1-butene; C <sub>6</sub> H <sub>12</sub> ; [563-78-0] (2) Water; H <sub>2</sub> O; [7732-18-5]	<b>ORIGINAL MEASUREMENTS:</b> Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A. <i>Khim. Tekhnol. Topl. Maseł</i> <u>1965</u> , 10, 42-6.
<b>VARIABLES:</b> One temperature: 30°C	<b>PREPARED BY:</b> A. Maczynski and Z. Maczynska
<b>EXPERIMENTAL VALUES:</b> <p>The solubility of water in 2,3-dimethyl-1-butene at 30°C was reported to be 0.0459 g(2)/100 g sln.</p> <p>The corresponding whole fraction, <math>x_2</math> calculated by the compilers is <math>2.14 \times 10^{-3}</math>.</p>	
<b>AUXILIARY INFORMATION</b>	
<b>METHOD/APPARATUS/PROCEDURE:</b> <p>Component (1) was introduced into a thermostatted flask and saturated for 5 hr. with (2). Next, calcium hydride was added and the evolving hydrogen volume measured and hence the concentration of (2) in (1) was evaluated.</p>	<b>SOURCE AND PURITY OF MATERIALS:</b> (1) not specified. (2) not specified. <b>ESTIMATED ERROR:</b> Not specified. <b>REFERENCES:</b>