

COMPONENTS: (1) 1-Propenylcyclopentane; C_8H_{14} ; [5623-78-9] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A. <i>Khim. Tekhnol. Topl. Maseł</i> <u>1965</u> , 10, 42-6.
VARIABLES: One temperature: 30°C	PREPARED BY: A. Maczynski and Z. Maczynska
EXPERIMENTAL VALUES: The solubility of water in 1-propenylcyclopentane at 30°C was reported to be 0.0383 g(2)/100 g sln. The corresponding value mole fraction, x_2 , calculated by the compilers is 2.34×10^{-3} .	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: 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.	SOURCE AND PURITY OF MATERIALS: (1) not specified. (2) not specified. ESTIMATED ERROR: not specified. REFERENCES: