

# JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA

CODEN: JPCRBV  
ISSN: 0047-2689  
URL: <http://ojps.aip.org/jpcrd/>

Periodicals Postage  
Paid at Huntington Station, NY  
and Additional Mailing Offices

Postmaster: If undeliverable,  
send notice on Form 3579 to:  
American Institute of Physics  
Suite 1NO1, 2 Huntington Quadrangle  
Melville, NY 11747-4502

---

Volume 30, No. 6, 2001

## ANNOUNCEMENT

**Accelerated Online Publication and Frequency Change .....ii**

**IUPAC-NIST Solubility Data Series. 76. Solubility of Ethyne in Liquids .....1693**

*Peter G. T. Fogg, Sim-wan Annie Bligh, M. Elizabeth Derrick, Yuri P. Yampol'skii, H. Lawrence Clever, Adam Skrzecz, and Colin L. Young*

A summary of the available solubility data for ethyne was published by Miller in 1965 [S. Miller, *Acetylene—Its Properties, Manufacture, and Uses* (Academic, New York, 1965), Vol. I]. Many more data are now available in a wide range of research papers and patent applications. These data vary in their reliability. In the current work the data for systems included in Miller's book have been reassessed and complemented by data published more recently. Literature has been surveyed to 1999.