

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

The Kinetic Study of the Chemical Oscillating System of 1,3-Propanediol/Acetone as the Organic Substrate

Shi-Gang SHEN, Caiqin YANG, Han-Wen SUN, Jin-Huan SHAN, Ying LIU
College of Chemistry & Environmental Science, Hebei University,
Baoding, Hebei 071002-CHINA
e-mail: Shenrg@yahoo.com.cn

 [Keywords](#)
 [Authors](#)

Abstract: This work was primarily an experimental investigation of the bromate oscillator using 1,3-propanediol and acetone as the mixed organic substrates. The empirical equation of the induction period and oscillating period with the concentrations of the reactants and temperature were obtained. The oscillating characteristic and possible oscillation mechanism were studied.

Key Words: Oscillation, 1,3-propanediol, Acetone, Mixed substrates



chem@tubitak.gov.tr

[Scientific Journals Home
Page](#)

Turk. J. Chem., **27**, (2003), 243-250.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Chem., vol.27, iss.2.](#)