**Blending properties of MTBE and other oxygenates in gasoline.** Ali, Mohammad Ashraf; Hamid, Halim. Research Institute, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia. Chemical Industries (Dekker) (2004), 101(Handbook of MTBE and Other Gasoline Oxygenates), 37-64. Publisher: Marcel Dekker, Inc., New York, N. Y CODEN: CHEIDI Conference; General Review written in English. CAN 141:9270 AN 2004:429246 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

**Abstract**

A review. It was shown that the improvement of the blending properties by the addn. of Me tert-Bu ether (MTBE) depended on the compn. of the base gasoline. The MTBE blending of gasoline improved the octane no. and thereby increased the engine efficiency. Compared to the blending of gasoline with alcs. the blending with MTBE did not change the vapor pressure and distn. characteristics of gasoline. Gasoline-MTBE blends showed no phase sepn. problems even in the presence of water and no erosion on gums in the gasoline distribution system.