

## **O,O-dialkyldithiophosphoric acids in the reactions with nonactivated $\alpha$ -olefins**

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### **Abstract**

Reactions of O,O-dialkyl dithiophosphoric acids with hexadec-1-ene, octadec-1-ene, and also 2-methylpentadec-1-ene and 2-methylheptadec-1-ene as impurities in commercial samples of hexadec-1-ene and octadec-1-ene, and pure 2-methylpent-1-ene were studied in the presence of zinc chloride and ultrasound irradiation. © 2013 Copyright Taylor and Francis Group, LLC.

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### **Keywords**

2-methylpent-1-ene, dithiophosphoric acids, hexadec-1-ene, Higher olefins, octadec-1-ene, zinc chloride