

Thermal Decomposition of Triethylindium

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Received April 5, 2018

Abstract—Thermal decomposition of triethylindium has been studied under static conditions. The temperature dependence of the thermal decomposition rate is described by the equation $\log k = 8.1 \pm 0.4 - (156\,600 \pm 5000)/2.3 RT$. The composition of gaseous thermolysis products has been determined. The obtained data suggest radical chain mechanism of the process.

Keywords: triethylindium, thermal decomposition

DOI: 10.1134/S1070363218080297