Thermal Runaway Reaction Studies

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Abstract

We will discuss reaction profiles and heat generation behavior for the purposes of early detection of potential t runaway systems and for rapid testing of substances in industry for safe processes and compatible storage. We v present experimental results of exothermic reaction tests using the Reactive System Screening Tool (RSST) Automatic Pressure Tracking Adiabatic Calorimeter (APTAC) in the Mary Kay O'Connor Process Safety C Laboratory at Texas A&M University.