

Thermal Safety Calorimetry – Comparison Measurements

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Presently a broad variety of sophisticated calorimetric methods are available to provide thermal safety data in the chemical industry. However, the continuously increasing wish for safer and ecologically indisputable processes in combination with the simultaneous desire for economically favourable production results in a stronger demand for high-quality thermal safety data. Thus, this data are not to be only accurate but also reliable, plant conformable and reasonably fast available in an inexpensive way. For that reason, an adequate attention has to be paid to the careful selection of the optimum instrumental method. Generally, the methods, which allow measurements under nearly plant conformable conditions, turn out to be more advantageous than indirect methods combined with (often speculative) mathematical methods.