#### 5 Signs Your Process Needs Calorimetric Hazard Assessment



Don't wait for a thermal incident to act.

If you encounter any of the following, it's time to assess your process with calorimetry



### Unexplianed Temperature Rise

Sudden temperature spike during a reaction? That's a red flag for potential runaway reactions



#### History of Batch Failures or Pressure Events

Any signs of venting, foaming, pressure spikes or delay in reaction time warrant deeper calorimetric insight







### 02

# New or Modified Chemistry

Introducing a new raw material, solvent, or synthesis route? Thermal profiles must be re-evaluated





# 04

# Recycling or Concentration Steps

Steps involving solvent removal or recycling can increase concentration of reactive species — and hazards



#### Scale-Up from Lab to Plant

Heat transfer per unit volume drops at scale. What's safe in a flask may be hazardous in a reactor