

Measurements of physical and chemical properties.

CHARACTERIZATION

- ✓ Heat Capacity
- ✓ Density
- ✓ Viscosity
- ✓ Boiling temperature
- ✓ Melting temperature
- ✓ Glass transition
- ✓ Granulometry
- ✓ Thermal conductivity⁽¹⁾
- ✓ Surface and interfacial tension⁽¹⁾
- ✓ Vapor tension

KINETICS

- ✓ Reaction kinetics
(Homogenous/Heterogeneous)
- ✓ Reaction enthalpy
(Homogenous/Heterogeneous)
- ✓ Thermal stability
- ✓ Aging kinetics (liquid and materials)

THERMODYNAMIC

- ✓ Liquid-Solid equilibrium
- ✓ Liquid-Liquid equilibrium
- ✓ Liquid-Vapor equilibrium
- ✓ Partition coefficient
- ✓ Solubility
- ✓ Mixing enthalpy

SAFETY

- ✓ Flammability⁽¹⁾
- ✓ Flashpoint⁽¹⁾
- ✓ Self-ignition temperature⁽¹⁾
- ✓ Explosivity⁽¹⁾
- ✓ TMRad and Tonset

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⁽¹⁾ Subcontracted to external partner