Supporting Information:

Amine- and blocked isocyanate-terminated polyurethane dendrimers: Integrated synthesis, photophysical properties and application in a heat curable system.

S.Veerapandian, A. Sultan Nasar

Department of Polymer Science, University of Madras, Guindy Campus, Chennai-600025, India.



Figure S1: H¹ NMR Spectrum of core



Figure S2: C¹³ NMR Spectrum of core



Figure S3: H¹ NMR Spectrum of building block



Figure S4 : C¹³ NMR Spectrum of building block



Figure S5: H¹ NMR Spectrum of G1 dendrimers with protected amine-end groups



Figure S6: C¹³ NMR Spectrum of G1 dendrimers with protected amine-end groups



Figure S7: H¹ NMR Spectrum of G1 dendrimers with amine-end groups



Figure S8: C¹³ NMR Spectrum of G1 dendrimers with amine-end groups



Figure S9: H¹ NMR Spectrum of G1 dendrimers with blocked isocyanate end groups



Figure S10: C¹³ NMR Spectrum of G1 dendrimers with blocked isocyanate-end groups



Figure S11: H¹ NMR Spectrum of G2 dendrimers with protected amine-end groups



Figure S12: C¹³ NMR Spectrum of G2 dendrimers with protected amine-end groups



Figure S13: H¹ NMR Spectrum of G2 dendrimers with amine-end groups



Figure S14: C¹³ NMR Spectrum of G2 dendrimers with amine-end groups



Figure S15: H¹ NMR Spectrum of G2 dendrimers with blocked isocynate-end groups



Figure S16: C¹³ NMR Spectrum of G2 dendrimers with blocked isocyanate-end groups



Figure S17: H¹ NMR Spectrum of G3 dendrimers with protected amine-end groups



Figure S18: C¹³ NMR Spectrum of G3 dendrimers with protected amine-end groups



Figure S19: H¹ NMR Spectrum of G3 dendrimers with amine-end groups



Figure S20: C¹³ NMR Spectrum of G3 dendrimers with amine-end groups



Figure S21: H¹ NMR Spectrum of G3 dendrimers with blocked isocyanate-end groups



Figure S22: C¹³ NMR Spectrum of G3 dendrimers with blocked isocyanate-end groups



Figure S23: H¹ NMR Spectrum of G4 dendrimers with protected amine-end groups



Figure S24: C¹³ NMR Spectrum of G4 dendrimers with protected amine-end groups



Figure S25: H¹ NMR Spectrum of G4 dendrimers with amine-end groups



Figure S26: C¹³ NMR Spectrum of G4 dendrimers with amine-end groups



Figure S27: C¹³ NMR Spectrum of G4 dendrimers with blocked isocyanate-end groups



Figure S28: Isotopes distribution pattern of G1 blocked isocyanate terminated polyurethane dendrimer



Figure S29: Isotopes distribution pattern of G2 blocked isocyanate terminated polyurethane dendrimer



Figure S30: Isotopes distribution pattern of G3 blocked isocyanate terminated polyurethane dendrimer



Figure S31: Isotopes distribution pattern of G3 blocked isocyanate terminated polyurethane dendrimer