Supplementary Information for

Resorcinarene amine stabilized nanodiamond dispersions in organic solvents: Applications in diamond film growth

Vara Prasad Sheela, a Weican Xiao, b Sangbum Han, a Xi Zhou, b Sacharia Albin,* b and Ramjee Balasubramanian* a

a Department of Chemistry and Biochemistry, 4541 Hampton Blvd., Old Dominion University, Norfolk, VA, USA. Tel: (+1) 757-683-3039; Email: bramjee@odu.edu

b Department of Electrical and Computer Engineering, Old Dominion University, Norfolk, VA 23529, USA. Email: salbin@odu.edu.

Fig. S1 Resorcinarene derivatives
Fig. S2 Microdiamant nanodiamond extraction with CTAB as surfactant: a) immediately and b) after 1 h.
**Fig. S3** Resorcinarene amine stabilized Microdiamant nanodiamond dispersions (~ 4 months old) in tetrahydrofuran (left) and toluene (right).