

Synthesis and Hydrogen Release Properties of Alkyl-substituted Amine-boranes

Lijun Zhang,^a Shaofeng Li,^a Yingbin Tan,^a Ziwei Tang,^a Zaiping Guo^b and Xuebin Yu^{*a}

^a*Department of Materials Science, Fudan University, Shanghai 200433, China;*

^b*Institute for Superconducting and Electronic Materials University of Wollongong Wollongong, NSW 2522, Australia*

* To whom correspondence should be addressed:

Phone and Fax: +86-21-5566 4581. *E-mail:* yuxuebin@fudan.edu.cn (XB Yu)

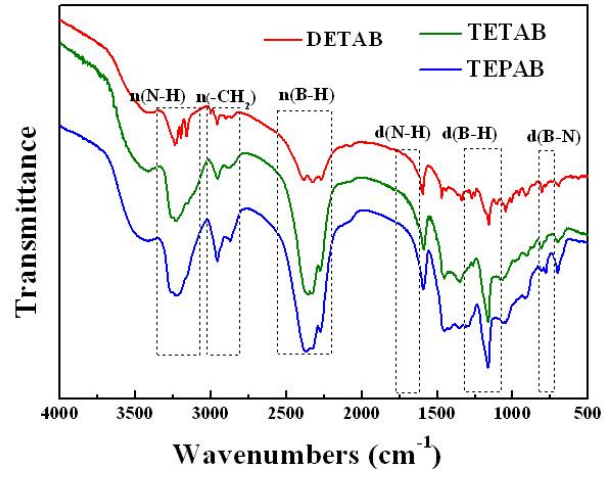


Fig. S1. FT-IR spectra of DETAB, TETAB and TEPAB.

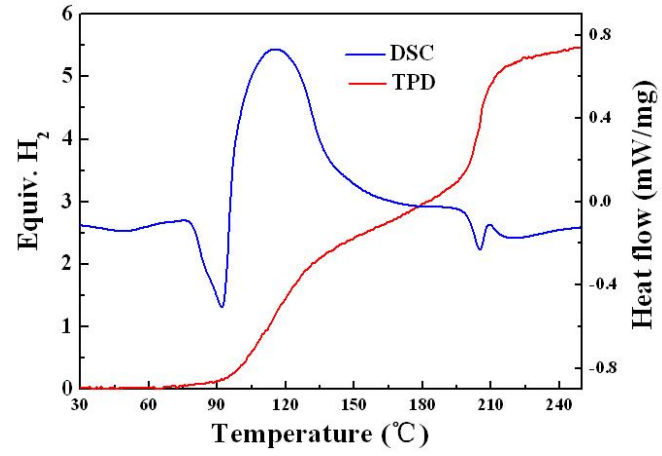


Fig. S2. DSC and TPD results for DETAB with a heating rate of $5^{\circ}\text{C min}^{-1}$ in nitrogen.