Supplementary Materials

Lewis Base Adducts of Diisobutylaluminum Azide: Synthesis and Thermal Stability

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- p. 2-3 ¹H and ¹³C{¹H} NMR spectra of *i*-Bu₂AlN₃·DMAP, **1**.
- p. 4-5 ¹H and ¹³C{¹H} NMR spectra of *i*-Bu₂AlN₃·IMes, **2a**.
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- p. 8-9 ¹H and ¹³C{¹H} NMR spectra of {MesNCH₂C(*i*-Bu)NMe₃}Al(*i*-Bu)N₃, **3**.
- p. 10-11 ¹H and ¹³C{¹H} NMR spectra of [2,6-(Et₂NCH₂)C₅H₃NAI(*i*-Bu)₂][*i*-Bu₂Al(N₃)₂], **4**.

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Figure S1. ^1H spectrum of $i\text{-Bu}_2\text{AlN}_3\cdot\text{DMAP}$, **1**.

Figure S2. $^{13}\text{C}\{^1\text{H}\}$ spectrum of *i*-Bu₂AlN₃·DMAP, **1** (* denotes *n*-hexane).

Figure S3. ¹H spectrum of *i*-Bu₂AlN₃·IMes, **2a**.

Figure S4. $^{13}\text{C}\{^1\text{H}\}$ spectrum of *i*-Bu₂AlN₃·IMes, **2a**.

Figure S5. ¹H spectrum of *i*-Bu₂AlN₃·IDipp, **2b**.

Figure S6. $^{13}\text{C}\{^1\text{H}\}$ spectrum of *i*-Bu₂AlN₃·IDipp, **2b**.

Figure S7. ¹H NMR spectrum of {MesNCH₂C(*i*-Bu)NMe}₃Al(*i*-Bu)N₃, **3**.

Figure S8. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of $\{\text{MesNCH}_2\text{C}(i\text{-Bu})\text{NMe}\}\text{Al}(i\text{-Bu})\text{N}_3$, **3**.

Figure S9. ^1H NMR spectrum of $[2,6-(\text{Et}_2\text{NCH}_2)\text{C}_5\text{H}_3\text{NAl}(\text{i-Bu})_2][\text{i-Bu}_2\text{Al}(\text{N}_3)_2]$, **4**.

Figure S10. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of $[2,6-(\text{Et}_2\text{NCH}_2)\text{C}_5\text{H}_3\text{NAl}(i\text{-Bu})_2][i\text{-Bu}_2\text{Al}(\text{N}_3)_2]$, **4**.