

† Electronic Supplementary Information (ESI) available:

The $\text{Li}_4(\text{NH}_2)_3\text{Cl}$ amide-chloride: new synthesis route, hydrogen storage kinetic and thermodynamic properties

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Supporting information

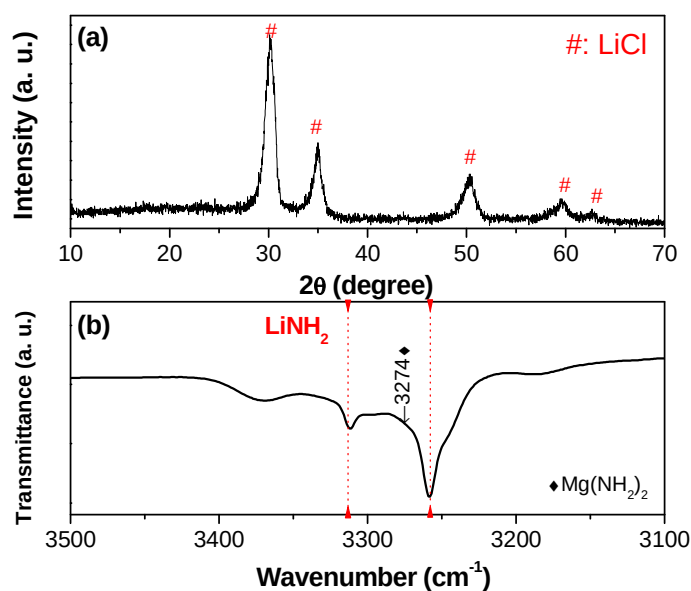


Figure S1: (a) XRPD patterns and (a) FTIR spectra of the $3\text{LiNH}_2 \cdot 0.5\text{MgCl}_2$ sample pre-milled under argon for 5 h (without LiH).