Title: Effects of Magnesium-based Hydrogen Storage Materials on the Thermal decomposition, Burning Rate, and Explosive Heat of Ammonium Perchlorate-based Composite Solid Propellant

Authors: Leili Liu, Jie Li, Lingyao Zhang, Siyu Tian

PII: S0304-3894(17)30647-7
DOI: http://dx.doi.org/10.1016/j.jhazmat.2017.08.055
Reference: HAZMAT 18820

To appear in: *Journal of Hazardous Materials*

Received date: 7-4-2017
Revised date: 18-8-2017
Accepted date: 19-8-2017

Please cite this article as: Leili Liu, Jie Li, Lingyao Zhang, Siyu Tian, Effects of Magnesium-based Hydrogen Storage Materials on the Thermal decomposition, Burning Rate, and Explosive Heat of Ammonium Perchlorate-based Composite Solid Propellant, Journal of Hazardous Materialshttp://dx.doi.org/10.1016/j.jhazmat.2017.08.055

Effects of Magnesium-based Hydrogen Storage Materials on the Thermal decomposition, Burning Rate, and Explosive Heat of Ammonium Perchlorate-based Composite Solid Propellant

Leili Liu*, Jie Li, Lingyao Zhang, Siyu Tian

School of Chemical & Pharmaceutical Engineering, Shandong University of Technology, Jinan 250353, P.R. China

* Corresponding author: Leili Liu llli607@126.com

Tel.: +86 531 8963 1208;

Fax: +86 531 8962 1207.

Graphical Abstract