## **Supporting Information**

Fabrication of Co<sub>3</sub>O<sub>4</sub>/graphite oxide sheet composites using supercritical fluid and their catalytic application for the decomposition of ammonium perchlorate

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**Fig.1S.** TEM image of Co<sub>3</sub>O<sub>4</sub> synthesized without the support of GO sheets.



**Fig.2S.** TEM image of GO-Co<sub>3</sub>O<sub>4</sub> synthesized in the absence of SC CO<sub>2</sub>.



**Fig.3S.** DSC curves for thermal decomposition of AP with 2 wt% simple mixture of  $Co_3O_4$  (46.5 wt %) and GO.