Accepted Manuscript

Accepted date:

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29-9-2018



PII:	S0304-3894(18)30880-X
DOI:	https://doi.org/10.1016/j.jhazmat.2018.09.086
Reference:	HAZMAT 19810
To appear in:	Journal of Hazardous Materials
Received date:	18-3-2018
Revised date:	13-8-2018

Please cite this article as: Xu W, Wang X, Wu Y, Li W, Chen C, Functionalized Graphene with Co-ZIF Adsorbed Borate Ions as an Effective Flame Retardant and Smoke Suppression Agent for Epoxy Resin, *Journal of Hazardous Materials* (2018), https://doi.org/10.1016/j.jhazmat.2018.09.086

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ACCEPTED MANUSCRIPT

Functionalized Graphene with Co-ZIF Adsorbed Borate Ions as an Effective

Flame Retardant and Smoke Suppression Agent for Epoxy Resin

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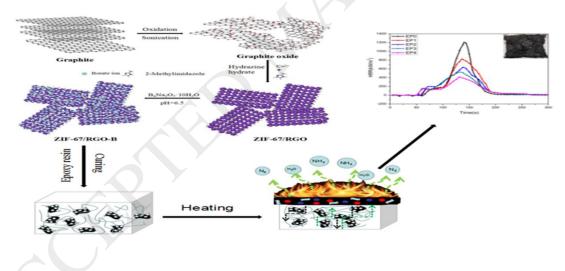
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GRAPHICAL ABSTRACT



HIGHLIGHTS

- A novel type of halogen free flame retardant was successfully fabricated.
- ZIF-67/RGO-B hybrid improves the fire safety of EP significantly.
- The flame retardant mechanism of ZIF-67/RGO-B was investigated.

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