

Accepted Manuscript

Title: Acrylic acid plasma polymerized
poly(3-hydroxybutyrate) membranes for methanol/MTBE
separation by pervaporation

Author: Mercedes Villegas Analía I. Romero Mónica L.
Parentis Elza F. Castro Vidaurre Juan C. Gottifredi



PII: S0263-8762(16)00031-9
DOI: <http://dx.doi.org/doi:10.1016/j.cherd.2016.01.018>
Reference: CHERD 2156

To appear in:

Received date: 21-9-2015
Revised date: 23-12-2015
Accepted date: 18-1-2016

Please cite this article as: Villegas, M., Romero, A.I., Parentis, M.L., Vidaurre, E.F.C., Gottifredi, J.C., Acrylic acid plasma polymerized poly(3-hydroxybutyrate) membranes for methanol/MTBE separation by pervaporation, *Chemical Engineering Research and Design* (2016), <http://dx.doi.org/10.1016/j.cherd.2016.01.018>

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Highlights

- A breakthrough technology and a biopolymer were used to prepare composite membranes
- Polymers produced by acrylic acid plasma over PHB were successfully synthesized
- New materials were obtained retaining certain functional groups of poly(acrylic acid)
- High fluxes and selectivities for methanol/MTBE separation by PV were reached

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