

Accepted Manuscript

Title: Butanol production in a sugarcane biorefinery using ethanol as feedstock. Part II: integration to a second generation sugarcane distillery

Author: Lucas G. Pereira Marina O.S. Dias Tassia L. Junqueira Lucas G. Pavanello Mateus F. Chagas Otávio Cavalett Rubens Maciel Filho Antonio Bonomi



PII: S0263-8762(14)00208-1
DOI: <http://dx.doi.org/doi:10.1016/j.cherd.2014.04.032>
Reference: CHERD 1576

To appear in:

Received date: 29-7-2013
Revised date: 10-3-2014
Accepted date: 29-4-2014

Please cite this article as: Pereira, L.G., Dias, M.O.S., Junqueira, T.L., Pavanello, L.G., Chagas, M.F., Cavalett, O., Filho, R.M., Bonomi, A., Butanol production in a sugarcane biorefinery using ethanol as feedstock. Part II: integration to a second generation sugarcane distillery, *Chemical Engineering Research and Design* (2014), <http://dx.doi.org/10.1016/j.cherd.2014.04.032>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Research Highlights

- Butanol from renewable resources has attracted increasing interest
- Butanol production from second generation ethanol was investigated
- High investment on the butanol plant can be an obstacle to viability
- The use of butanol as liquid fuel presents advantages if compared to gasoline
- LCA integrated to economic analysis is proposed for sustainability assessment

Download English Version:

<https://daneshyari.com/en/article/620668>

Download Persian Version:

<https://daneshyari.com/article/620668>

[Daneshyari.com](https://daneshyari.com)