# Accepted Manuscript

Title: QSPR Estimation of the Auto-Ignition Temperature for Pure Hydrocarbons

Author: Tohid Nejad Ghaffar Borhani Afsaneh Afzali Mehdi

Bagheri

PII: S0957-5820(16)30143-4

DOI: http://dx.doi.org/doi:10.1016/j.psep.2016.07.004

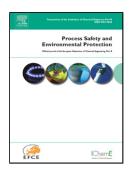
Reference: PSEP 831

To appear in: Process Safety and Environment Protection

Received date: 1-3-2016 Revised date: 30-6-2016 Accepted date: 9-7-2016

Please cite this article as: Borhani, T.N.G., Afzali, A., Bagheri, M., QSPR Estimation of the Auto-Ignition Temperature for Pure Hydrocarbons, *Process Safety and Environment Protection* (2016), http://dx.doi.org/10.1016/j.psep.2016.07.004

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.



## ACCEPTED MANUSCRIPT

### Highlights

- Auto ignition temperature of 813 DIPPR hydrocarbons modeled in this study
- GA-MLR and FFNN were utilized to develop the models
- Various internal and external validation techniques used to validate the models
- The proposed models were compared to those reported earlier

#### Download English Version:

# https://daneshyari.com/en/article/4980903

Download Persian Version:

https://daneshyari.com/article/4980903

Daneshyari.com