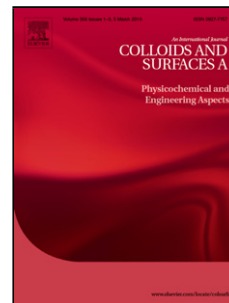


Accepted Manuscript

Title: Biosourced lauroyl poly(glycerol-succinate) oligoesters modified by copolymerizable solvents: a wasteless and eco-friendly surfactants properties enhancement

Authors: Mickaël Agach, Sinisa Marinkovic, Boris Estrine, Véronique Nardello-Rataj



PII: S0927-7757(17)30682-9
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfa.2017.07.033>
Reference: COLSUA 21807

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 1-11-2016
Revised date: 9-7-2017
Accepted date: 10-7-2017

Please cite this article as: Mickaël Agach, Sinisa Marinkovic, Boris Estrine, Véronique Nardello-Rataj, Biosourced lauroyl poly(glycerol-succinate) oligoesters modified by copolymerizable solvents: a wasteless and eco-friendly surfactants properties enhancement, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* <http://dx.doi.org/10.1016/j.colsurfa.2017.07.033>

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.

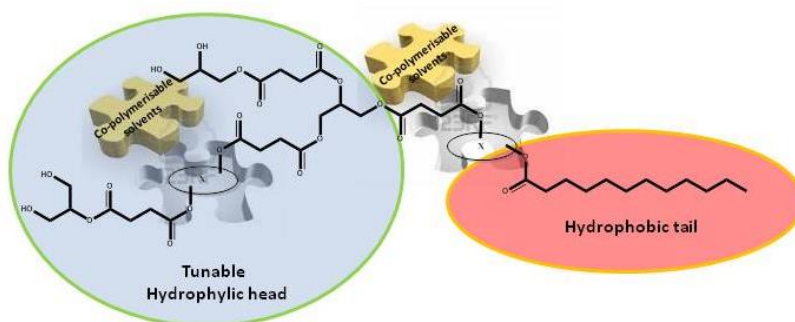
Biosourced lauroyl poly(glycerol-succinate) oligoesters modified by copolymerizable solvents: a wasteless and eco-friendly surfactants properties enhancement

Mickaël Agach,^{a,b} Sinisa Marinkovic,^a Boris Estrine,^{a*} and Véronique Nardello-Rataj^{b*}

^a Agro-Industrie Recherches et Développements « Green Chemistry Department », Route de Bazancourt, F-51110 POMACLE, France. E-mail: b.estrine@a-r-d.fr

^b Université de Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS Unité de Catalyse et Chimie du Solide, F-59000 Lille, France. E-mail: veronique.rataj@univ-lille1.fr

Graphical Abstract



Highlights

- 1) Synthesis of novel amphiphilic lauroyl poly(glycerol-succinate-comonomer) oligoesters
- 2) Oligoesters based on glycerol, biosourced succinic acid, copolymerizable lauric acid
- 3) Flexibility of the copolymerizable solvent-aided catalyzed synthesis
- 4) Resulting biobased oligoesters are highly biodegradable

Download English Version:

<https://daneshyari.com/en/article/6978127>

Download Persian Version:

<https://daneshyari.com/article/6978127>

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