

Accepted Manuscript

Title: Factors affecting the properties of nitrocellulose emulsions: A comparative study

Authors: Fatemeh Fallah, Manouchehr Khorasani, Morteza Ebrahimi



PII: S0144-8617(17)31278-X
DOI: <https://doi.org/10.1016/j.carbpol.2017.11.002>
Reference: CARP 12953

To appear in:

Received date: 6-5-2017
Revised date: 31-10-2017
Accepted date: 1-11-2017

Please cite this article as: Fallah, Fatemeh., Khorasani, Manouchehr., & Ebrahimi, Morteza., Factors affecting the properties of nitrocellulose emulsions: A comparative study. *Carbohydrate Polymers* <https://doi.org/10.1016/j.carbpol.2017.11.002>

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.

Factors affecting the properties of nitrocellulose emulsions; A comparative study

Fatemeh Fallah^a, Manouchehr Khorasani^b, Morteza Ebrahimi^c

^a Department of polymer engineering and color technology, Amirkabir University of Technology Tehran Polytechnic, 424 Hafez Ave, Tehran, Iran, 15875-4413.

f.fallah@aut.ac.ir

^b Corresponding author at: Department of polymer engineering and color technology, Amirkabir University of Technology Tehran Polytechnic, 424 Hafez Ave, Tehran, Iran, 15875-4413.

khorasani.m@aut.ac.ir

^c Department of polymer engineering and color technology, Amirkabir University of Technology Tehran Polytechnic, 424 Hafez Ave, Tehran, Iran, 15875-4413.

ebrahimi@aut.ac.ir

Highlights

- Direct mechanical emulsification and gel emulsification methods were compared.
- Viscosity and stirring speed is not significant in gel emulsification method.
- Nitrocellulose nano-emulsions were prepared by consuming less energy.

Download English Version:

<https://daneshyari.com/en/article/7783276>

Download Persian Version:

<https://daneshyari.com/article/7783276>

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