

# MCF Synthese

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## Introduction

Quelle: Esterification processes based on functionalized mesoporous solids, M. Trejda et al. / Catalysis Today 254 (2015) 104–110

## Materials

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- > 8g Pluronic P123
- > HCl solution (17,52g HCl in 282,5g Wasser)
- > 12g Mesitylene
- > 0,0934g  $\text{NH}_4\text{F}$
- > 17,054g TEOS
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## Procedure

### Synthese

1. Dissolve the P123 in hydrochloric acid (has to be dissolved completely)
2. Add mesitylene and  $\text{NH}_4\text{F}$
3. mix for 1h
4. Add TEOS slowly
5. mix 20h at 40°C
6. mix 24h at 100°C
7. Filter off solids and wash with demineralized water