

عنوان مقاله:

Synthesis and kinetic studies of N,N-bis(2-hydroxyethyl) Oleamide and its application for the preparation of metal and metal oxide slurries

محل انتشار:

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خلاصه مقاله:

N,N-bis(2-hydroxyethyl)Oleamide(bheo) was synthesized using oleic acid and diethanolamine in 1:1 mole ratio. The yield of reaction was improved to 88.3% by using ZSM-5 zeolite as catalyst. The kinetics model is in agreement with half order reaction in respect to fatty acid. The product was used as stabilizing agent and dispersant for the preparation of metal and metal oxide slurries.

کلمات کلیدی:

Nonionic detergents, ZSM-5, Metal Slurries

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